


Profile

Name: Dr. B. VIJAYA RAMNATH, M.E., Ph.D

AICTE - Chhatra Vishwakarma Awardee-2017

Prof & Head, Department of Mechanical Engineering,

Sri Sairam Engineering college, Chennai-600 044.

1	E-mail id & contact number	hod.mech@sairam.edu.in vijayaramnath.mech@sairam.edu.in Contact No: 8754502223/ 9841446655	
2	Area of Specialization	Mechanical & Production Engineering	
3	Experience:	Total Teaching- 21 Years: 10 months Polytechnic: 11 months	
4	Number of Workshops/ Conferences/ FDP Attended	Workshop & symposium- organised -26 National & Int. Conference (AICTE) -organised -4 AICTE/Anna uty: FDP/SDP ORGANISED-4 Government funded project completed/on going: Rs.46.45 Lakhs	
5	Publication details	Journal: National journal : 6 International journal : 170 - (Scopus :137) Clarivate analytics/ SCI listed journals :25	
		Conference: National: 86; International: 208	
		Books Published: 38	
		Patents Published: 3	
6	Total Citations	3316	
7	H index: i 10 index Google Scholar Link Scopus Page	24 60 https://scholar.google.com/citations?user=iIAGysOAAAAJ&hl=en https://www.scopus.com/authid/detail.uri?authorId=54394666400	
8	Ph.D scholars details	Number of Scholars awarded Ph.D degree :11 Number of Scholars currently Doing Ph.D:12	
9	Professional Societies Membership: ISTE, SAE,IIIE, IEEE		

10	Educational Qualification(s)						
	Qualifications	Specialization	Board / University / Institution	Year of Passing	Percentage		
	Ph.D	Lean kitting Assembly system	Anna University, Chennai.	2011	-		
	Master Of Engineering	Production Engineering	Madurai Kamraj University, Madurai.	1999	76%		
	Bachelor of Engineering	Mechanical Engineering	University of Madras, Chennai.	1997	67.5%		
	Diploma	Mechanical Engineering	Tamilnad Polytechnic, Madurai.	1994	86.5%		
	SSLC	-	Dept. of government examinations, M.M.HR, SEC SCHOOL, Madurai Tamilnadu.	1991	87.4%		
11	Total teaching Experience:						
	Name of the Organization	Designation	Period		Nature of work	Experience	
			From	To		Years	Month
	Sri Sairam engineering college	Head of Department &Professor	1.4.2019	Till date	Teaching, research, academic and adminisraion works	1	10
		Professor	11.8.2011	Till date		8	6
		Assoc. Professor	1.8.2010	31.7.2011		1	0
		Asst. Professor	1.8.2008	31.7.2010		2	0
		Senior Lecturer	1.8.2005	31.7.2008		3	0
		Lecturer	31.1.2000	31.7.2005		5	6
	Thiagarajar College of Engineering, Madurai.	Lecturer (Visiting Professor)	1.8.1998	31.12.99		1	4
	Sri Balaji Polytechnic College, Chennai.	Lecturer	1.8.1997	22.7.1998		1	-
	M.I.T Campus, Anna University	Visiting Faculty	2004	2017		-	-

	IIITDM, Kanchipuram	Visiting Faculty	2013	2014		-	-
--	------------------------	-----------------------------	------	------	--	---	---

12	Details of Ph.D Guided / Guiding				
	Name of the Research scholar	University	Registration No. & Year of registration	Title of the Research	Status
1)	P.Subramanya Reddy	Anna University	1315239832/ 2013	Mechanical and Machining behaviour of Hybrid Aluminium Metal Matrix Composites	Ph.D Completed
2)	P.Kaliappan	Anna University	1414239865/2015	Investigation of Mechanical and machining behavior of Abaca neem hybrid composites	Ph.D Completed
3)	Dr.K.Venkataraman	VELS University	UP12G9600006/ 2012	Implementation of Lean Production System in a Manufacturing Environment	Ph.D Completed
4)	Dr.V.M.Manickavasa gam	VELS University	UP12G9600004/ 2012	Investigation of Mechanical and machining characteristics of Abaca based Hybrid Composites	Ph.D Completed
5)	P.V.Krishnan	VELS University	2K10MS077 / 2010	Analysis and implementation of Lean Management and Manufacturing principles for Optimizing Work- in-Process Inventory	Ph.D Completed
6)	A.Siddique Ahmed Ghias	VELS University	UP13G9600004/201 3	Mechanical and Wear behaviour of Hybrid Aluminium Metal Matrix Composites	Ph.D Completed
7)	R.Sharavanan	VELS University	UP14G9600002/201 4	Investigation and analysis of mechanical and machining characteristics of banana, jute based hrybid composite	Ph.D Completed

8)	S.Sharavanan	VELS University	UP14G9600001/2014	Study of electrical properties of fiber Composites	Ph.D Completed
9)	S.Rajesh	St.Peter's University	SP13MED502/2013	Studies on Mechanical, Wear and machining behaviour of Twisted Aramid Natural Fibre composite	Ph.D Completed
10)	C.Parswajinnan	SCSVMV University, Kanchipuram	K14014/2014	Investigation and Characterization of Nano particle reinforced Aluminium Composites	Ph.D Completed
11)	Balachandar M	Anna University	1312219166/ Jan-2013	Aluminium Metal Matrix Composites	Ph.D Completed
12)	R.Srimurugan	AMET University	2014395101/2014	Polymer Matrix Composites	Waiting for Vivavoce
13)	V.Ravi raj	Anna University	1314219761/PhD	Polymer matrix composites	Submitted thesis
14)	Alagarraja K	Anna University	16132997187/ Jul-2016	Sandwich Composites	Waiting for Vivavoce
15)	Murali B	Anna University	1614299245/Jan-2016	Particulate Composites	Confirmation Meeting completed
16)	Vijay B	Anna University	16142997310/Jul-2016	Metal matrix Composites	Confirmation Meeting completed
17)	Karthick P	Anna University	16142997311/Jul-2016	Jackfruit fiber Composites	Confirmation Meeting completed
18)	Ramakrishnan G	Anna University	17152991107/Jan-2017	Basalt fiber composites	Confirmation Meeting completed
19)	A.Ravindran	Anna University	21142997260	Compoistes for marine applications	Doing Course work
20)	L.Ravikumar	Anna University	21142991126	Compoistes	Doing Course work

21)	S.Balasubramanian	Anna University	21152991333	Compoistes	Doing Course work
22)	R.Senthil kumar	Anna University	1413239713	FML for ATM application	Confirmation Meeting completed
23)	M.Vijayan	Anna University	1513239282	MMC for automotive applications	Confirmation Meeting completed
24)	S.Krishna raj	Anna University	22192991137	Design of hydraulic turbine with MMC	Doing Course work
25)	T.Ganesh	Anna University	22122991146	FSW of MMC for automotive applications	Doing Course work

13. Clarivate analytics / SCI listed journals

1. B.Vijaya Ramnath. B, C. Elanchezhian, RM. Annamalai, S.Aravind, T. Sri Ananda Atreya, V. Vignesh, C.Subramanian, "Aluminium metal matrix composites – a review", Reviews on advanced materials science, Volume 38, October 2013, Pages 55-60. (Impact factor: 2.842).
2. B.Vijaya Ramnath. B, V.Santhosh Kumar, P.V.Nirmal, S.Karthick, G.Prem Kumar, C. Elanchezhian , S.Rajesh , K.Suresh , :Experimental Investigation of Mechanical behavior of Jute-Flax based Glass Fiber reinforced composite", Fibers and polymers, Volume 15, Pages 1251-1262,2014. (Impact factor: 2.259).
3. B.Vijaya Ramnath. B, R. Niranjana Raja, S. Junaid Kokan, R. Sathya Narayanan, A.R.Rajendra Prasad, C.Elanchezhian and V.M.Manickavasagam, "Evaluation of mechanical properties of abaca-jute-glass fibre reinforced epoxy composite", Materials and design, Volume 51, October 2013, Pages 357-366. (Impact factor: 7.991).
4. B.Vijaya Ramnath. B, C. Elanchezhian, M.Jaivignesh, S. Rajesh, C. Parswajinan, A. Siddique Ahmed Ghias, "Evaluation of Mechanical Properties of Aluminium Alloy-Alumina-Boron Carbide Metal Matrix Composites", Materials and design, Volume 58, June 2014, Pages 332-338. (Impact factor: 7.991).
5. V.S.Srinivasan, S.Rajendra Boopathy D.Sangeetha and B.Vijaya Ramnath. B, "Evaluation of Mechanical and Thermal Properties of Banana-Flax based Natural Fibre Composite", Materials and Design, Volume 60, August 2014, Pages 620-627. (Impact factor: 7.991).
6. B Vijaya Ramnath. B, V.M.Manickavasagam, C Elanchezhian, C Vinodh Krishna, S Karthik, K Saravanan "Determination of mechanical properties of intra-layer abaca-jute-glass fiber reinforced composite ", Materials and Design, Volume 60, August 2014, Pages 643-652. (Impact factor: 7.991).
7. B.Vijaya Ramnath. B, R. Sharavanan, M. Chandrasekaran, C. Elanchezhian, R. Sathyanarayanan, R. Niranjana Raja, and S. Junaid Kokan, "Experimental Determination of Mechanical Properties of Banana Jute Hybrid Composite", Fibers and polymers, Volume 16, Pages 164-172, 2015. (Impact factor: 2.259).
8. B.Vijaya Ramnath. B , S.Rajesh "Investigation on Mechanical Behaviour of Twisted Natural Fiber Hybrid Composite Fabricated by Vacuum Assisted Compression Molding Technique", Fibers and Polymers , Vol.17, No.1, 2016, 80-87. (Impact factor: 2.259).

9. N.Tamiloli, J.Venkatesan, B.Vijaya Ramnath. B, "A Grey-Fuzzy Modeling For Evaluating Surface Roughness And Material Removal Rate Of Coated End Milling Insert "VOL. 84, NO. 13, 2016, 68-82, Measurement (Impact factor: 3.927).
10. P.Subramaniya Reddy, R.Kesavan, and B.Vijaya Ramnath. B, "Investigation of Mechanical Properties of Aluminium6061-Silicon Carbide, Boron Carbide Metal Matrix Composite, DOI: 10.1007/s12633-016-9479-8 2016, Silicon, (Impact factor : 2.67).
11. E. Naveen , B. Vijaya Ramnath. B , C. Elanchezhian , S.S. Mohamed Nazirudeen, "Influence of organic corrosion inhibitors on pickling corrosion behaviour of sinter-forged C45 steel and 2% Cu alloyed C45 steel", Journal of Alloys and Compounds 695 (2017) 3299 to 3309 (Impact factor: 5.316).
12. Kaliappan, Dr. R. Kesavan, Dr. B. Vijaya Ramnath. B, "Investigation on effect of fibre hybridization and orientation on mechanical behaviour of natural fibre epoxy composite", , Bulletin of material science, VOL.44, 773-782, 2017.(Impact factor: 1.783).
13. P Sathish, R Kesavan, BV Ramnath, C Vishal, "Effect of fiber orientation and stacking sequence on mechanical and thermal characteristics of banana-kenaf hybrid epoxy composite", Silicon 9 (4), 577-585. (Impact factor : 2.67).
14. M. Sakthivel · S. Vijayakumar · B. Vijaya Ramnath. B, "Investigation on Mechanical and Thermal Properties of Stainless Steel Wire Mesh-Glass Fibre Reinforced Polymer Composite",Silicon (2018). <https://doi.org/10.1007/s12633-018-9801-8>. (Impact factor : 2.67).
15. G. Ramakrishnan , Vijaya Ramnath. B B, C.Elanchezhian Gowtham S, Arun Kumar A "Investigation of mechanical behaviour of basalt-banana hybrid composites", Silicon, November, Pp1-10, 2018. (Impact factor : 2.67).
16. P.SanthanaMoorthy*, G.B. Bhaskar, Natarjan Raja, Vijaya Ramnath. B B and Sankaranarayanan Gowri, "Mechanical properties and microstructure of glass carbon hybrid composites"; Materials Testing ,November 2018, Vol. 60, No. 11 : Pages 1131-1137. (Impact factor : 1.589).
17. M. Balachandar, B. Vijaya Ramnath. B, C.Elanchezhian and J. Jeykrishnan," Prediction of mechanical properties of Al6061 metal matrix composites reinforced with zircon sand and boron carbide, Materialpruefung/Materials Testing , 61(6), pp. 537-542. (Impact factor : 1.589).
18. Alagarraja , Vijaya Ramnath. B ,Elanchezhian , "Mechanical and thermal properties of PVC and polyurethane foam hybrid composites", Materials Testing May 2020, Vol. 62, No 5. Pages: 544-552, 2020. (Impact factor : 1.589).
19. V Ravi Raj & B Vijaya Ramnath. B, "Mechanical, Thermal and Wear Behavior of SiC Particle Strengthening of PMMA-Toughened Glass-Epoxy Hybrid Composite", Silicon, Pages: 1-6, July 2020. (Impact factor : 2.67).
20. B.Murali and B.Vijaya Ramnath, "Experimental Investigation on the stacking Sequence of Kevlar, Aloe vera, Bamboo and Palmyra Palm Fibres/Epoxy Polymer Composites", vol.31, n1, e2021004, 2021. Polímeros. (Impact factor : 1.38)
21. Prof. Idayan A , Dr. C. Elanchezhian, Dr. B. Vijaya Ramnath, and Prof. Palanikumar K, "Wear evaluation and microstructure analysis of cryogenically treated AISI 440C Bearing steel", Transactions of the Canadian Society for Mechanical Engineering , <https://doi.org/10.1139/tcsme-2020-0166>. (Impact factor : 1.45)
22. Ravi Raj, V., Vijaya Ramnath, B., Mechanical, Thermal and Wear Behavior of SiC Particle Strengthening of

PMMA-Toughened Glass-Epoxy Hybrid Composite, Silicon, 2021, 13(6), pp. 1925–1932. (Impact factor : 2.67)

23. Karthick. S., , Elanchezhian, Vijaya Ramnath. B , “ Effect of brown rice husk α -Si₃N₄ on Ni–P composite coating of austenitic AISI 316L steel Taguchi grey relational approach” Biomass Conversion and Biorefinery <https://doi.org/10.1007/s13399-021-02138-W>. (Impact factor : 4.987)
24. Raja , Elanchezhian C., Vijaya Ramnath. B , “ Dynamic and ballistic performance of glass/ carbon fiber /aluminium 1100 wire mesh reinforced composite, Surface review and letter. Accepted for publication, (Impact factor : 1.152)
25. Banu Murali , Bindu Madhavan Vijaya Ramnath , Devaraj Rajamani , Emad Abouel Nasr , Antonello Astarita and Hussein Mohamed, “Experimental Investigations on Dry Sliding Wear Behavior of Kevlar and Natural Fiber-Reinforced Hybrid Composites through an RSM–GRA Hybrid Approach”, Materials 2022, 15, 749. <https://doi.org/10.3390/ma15030749>. (Impact factor : 3.623).

14. Funds Received from AICTE and other agency: (Rs.46.45 Lakhs)

RESEARCH GRANT :

1. Agency : All India Council for Technical Education (AICTE) under RESEARCH PROMOTION SCHEME (RPS)
Grant Title: reverse engineering of generator engine parts
Amount in USD : Rs.6 lakhs- USD 7996
Commencement date: 31.3.2011
Completion Date: 31.12.2015

ACADEMIC GRANT :

1. Received **1.75 Lakhs** for Staff Development Programme (SDP) sponsored by AICTE as coordinator in the year 2011 on Recent trends in manufacturing and management.
2. Received **5 Lakhs** for AICTE sponsored FDP on Advancements In Materials, Manufacturing Processes And Management Systems between 4 and 16, November – 2013.
3. Received **2.77 Lakhs** for AICTE sponsored STTP sponsored by AICTE between 24-6-2019 and 29-6-2019 on “-Natural Fiber Composites – Recent Technology for Sustainability and Eco – Friendly Environment”.
4. Received Rs. **30 lakhs** under AICTE as coordinator - Margdarshan scheme NewDelhi in 2019.
5. Received **Rs.93,000**, to organize AICTE ATAL FDP on August 2020

15	<p>Patents Details :</p> <ol style="list-style-type: none"> 1. Smart multipurpose agricultural companion (in progress)patent number : 202041006864 2. Multi purpose agriculture vehicle (in progress) patent number;202041049410. 3. A smart watch stand (design patent): 350625-001:4/10/2021
16	<p>International Conference (s) :</p> <ol style="list-style-type: none"> 1. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R, " Productivity improvement of an ELR belt assembly system using Lean Manufacturing", Proceedings of International Conference on International Conference on Global business strategy in competitive Environment, Sri Sai Ram Institute of Management studies, Sri Sairam Engineering College, Chennai, Proc. pp.223,2007. 2. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R, " Lean Manufacturing for reducing Loading, Unloading and Cycle Time", Proceedings of International Conference on International conference -FAME-2008, Dept.of Mechanical Engineering, MEPCO Engineering College, Sivakasi. Proc. pp .154, 2008. 3. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R, " Assembly Line Optimization through Lean Manufacturing", Proceedings of International Conference on International conference on innovations, Department of Commerce, Loyola college, Chennai, Proc. pp.13,2009. 4. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R, " Value stream mapping – A tool for implementing Lean Manufacturing", Proceedings of International Conference on International Conference on Impact of Economic crisis in Global business scenario, Sri Sairam Institute of Management studies, Sri Sairam Engineering College, Chennai, Proc. pp.421,2009. 5. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R, " Batch Size Optimization Through Lean Manufacturing For A Constrained Changeover Time", Proceedings of International Conference on International Conference on Impact of Economic growth in Global market, Delhi University, New Delhi,2009. 6. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R, " A Multi Attribute Decision Making Model for Selecting Suitable Assembly Method among Line side, Lean-kitting and Kanban assembly", Proceedings of International Conference on International Conference on Advances in Industrial Engineering Applications, Dept. of Industrial Engg., Anna University, Chennai, Proc. pp.MC 02, 2010. 7. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R, " Goal Programming approach to find Optimal Batch Size", Proceedings of International Conference on Innovation, management systems, ACCÉE-SINGAPORE", Proc. Pp. M32, 2010. (Proceeding published by World Academic Press.) 8. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R, " Optimal Batch Size Model for a constrained changeover Time", Proceedings of International Conference on International Joint Journal conference in Engineering, Trivandram, Proc. Pp. M182, 2010. 9. Vijaya Ramnath. B. B, Raman Bharath.V.R. "Suitability Assessment of TPM through Fuzzy Based Simulation Model", Proceedings of International Joint Journal conference in Engineering and Technology, Thiruvalluvar College of Engineering and Technology, Vandavasi ,Proc. Pp. 258-262, 2010. 10. Vijaya Ramnath. B. B, Elanchezhian .C, and Kesavan.R," A multi dimensional decision

making model for selection of optimal assembly method”, Proceedings of International Conference on International Conference on Operational Research for Urban And Rural Development, Dept. of Mechanical Engg., Thiagarajar College of Engineering, Madurai, Proc. Pp.45, 2010.

11. R.Senthil Kumar and B.Vijaya Ramnath. B ,” Design And Fabrication Of 3D Syskevis Metrisis”, Proceedings of 2nd International Conference on Mechanical And Aerospace Engineering, Bangkok, Thailand , July 29-31, 2011.

12. B.Vijaya Ramnath. B, “Reliability analysis and redesign of an automobile propeller shaft”, Proceedings of 26th International conference on CAD/CAM, Robotics, and Factories of future 2011, July 26-28 th July, Malaysia.

13. Dr.B.Vijaya Ramnath. B, “ Development of portable facing machine tool for machining of tube sheet and shell of a heat exchanger”, Proceedings of International Conference on 2011 International Workshop on Computer-Aided Design, Manufacturing and Management (CADMM 2011) Hong Kong, During 12-13, December 2011 and also available in ASME digital library.

14. Dr.C.Elanchezhian and Dr.B.Vijaya Ramnath. B “Automated equipment for characterization of web media COF & stiffness measurement “Proceedings of ICIII 2012 held at Singapore during March 17 - 18, 2012.

15. Dr. B.Vijaya Ramnath. B “Modification in automobile air condition system using turbines for improving fuel efficiency” Proceedings of ICAMAME 2012 held at Dubai during 29-1-2012 and 31-1-2012.

16. Dr.B.Vijaya Ramnath. B, C.Vishal, Chiranjeev.P.Jain, “Optimization of Product Development time through lean manufacturing”, Proceedings of ICMAE 2012 held at Paris, France during 07-7-12 and 08-7-12.

17. Dr.B.Vijaya Ramnath. B, Sriram Srinivasan, R.Sathyanarayan, L.Srivatsan, “MCDM Model for selection of optimum machining process “, Proceedings of AMPT 2012 held at Australia, organized by University of Wollongong during 23-9-12 and 26-9-12.

18. Jai Vignesh. M, Harikrishnan.R, Elanchezhian .R, Vijaya Ramnath. B. B and Elanchezhian .C,” Fabrication and Characteristics of Al₂O₃-Sic Reinforced Aluminium Alloy Matrix Composites by Stir Casting Technique”, Proceedings of ICCIAMR -2013, Dept. of Mechanical Engineering, Vel’s University, Chennai. Proc. vol.AB; pp.130, 2013.

19. Gladwin Immanuel. R and Vijaya Ramnath. B. B,” Fabrication and Characteristics of Al₂O₃-Sic Reinforced Aluminium Alloy Matrix Composites by Stir Casting Technique”, Proceedings of ICCIAMR -2013, Dept. of Mechanical Engineering, Vel’s University, Chennai. Proc. vol.AB; pp.117, 2013.

20. Bala Abinesh. C and Vijaya Ramnath. B. B,” Fabrication & Analysis of Mechanical Behaviour of Polymer Composites”, Proceedings of ICCIAMR -2013, Dept.of Mechanical Engineering, Vel’s University, Chennai. Proc. vol.AB; pp.57, 2013.

21. Surendar.S.S, Pandyaraj .V and Vijaya Ramnath. B. B,” Designing of L3-L4 Intat and Defected Model of Lumbar Spine in a Human Body”, Proceedings of ICCIAMR -2013, Dept. of Mechanical Engineering, Vel’s University, Chennai. Proc. vol.AB; pp.55, 2013.

22. Sathish Kumar .M, Elanchezhian .C and Vijaya Ramnath. B. B,” Experimental study and Mechanical Behaviour of GFRP Composites with Varying Thickness”, Proceedings of ICCIAMR -

2013, Dept. of Mechanical Engineering, Vel's University, Chennai. Proc. vol.AB; pp.25, 2013.

23. Manoj Durai. D,Venkataraman. K and **Vijaya Ramnath. B. B,**" Advance of Suspension for Automotive Passenger Vehicle", Proceedings of ICCIAMR-2013, Dept. of Mechanical Engineering, Vel's University, Chennai. Proc. vol.AB; pp.22, 2013.

24. Vetre Selvan .E,Venkataraman. K and **Vijaya Ramnath. B. B,**" Optimization of Concept Selection Process in NPD Cycle Through Fuzzy Logic", Proceedings of International Conference on ICCIAMR-2013, Dept. of Mechanical Engineering, Vel's University, Chennai. Proc. vol.AB; pp.16, 2013.

25. Hemalatha. J, Elanchezhian .C and **Vijaya Ramnath. B. B,**" Experimental study and Mechanical Behavior of Glass and Carbon Fiber Reinforced Composites at Varying Strain rates", Proceedings of International Conference on ICCIAMR -2013, Dept.of Mechanical Engineering, Vel's University, Chennai. Proc.vol.AB; pp.14, 2013.

26. Prabhu Mani Rathinam. S,Venkataraman. K and **Vijaya Ramnath. B. B,**" Optimization of Concept Selection Process Using Artificial Neural Network", Proceedings of International Conference on ICCIAMR-2013, Dept. of Mechanical Engineering, Vel's University, Chennai. Proc. vol.AB; pp.2, 2013.

27. Hemalatha. J, Elanchezhian .C and **Vijaya Ramnath. B. B,**" Mechanical Behavior of Glass and Carbon Fiber Reinforced Composites at Varying Strain rates and Temperatures", Proceedings of International Conference on ICAMEE-2013, Dept.of Mechanical Engineering, Dr. M.G.R Educational and Research Institute University, Chennai. Proc. pp .73, 2013.

28. B.Vijaya Ramnath. B, R. Niranjana Raja, S. Junaid Kokan, R. Sathya Narayanan, S. Rajesh, and V.M.Manickavasagam, "Green Natural Fibre Composite: Concoction and Testing of Abaca Composite", Proceedings of International Conference on INCAMA-2013, Dept. of Mechanical Engineering, Kalasalingam University, Srivilliputtur. Proc. pp.36-43, 2013.

29. Vetre Selvan .E,Venkataraman. K and **Vijaya Ramnath. B. B,**" Developing Frame Work for Lean based New Product Development ", Proceedings of International Conference on INCAMA-2013, Dept. of Mechanical Engineering, Kalasalingam University, Srivilliputtur. Proc. pp.36-43, 2013.

30. B.Vijaya Ramnath. B, C Vinodh Krishna, S Karthik, K Saravanan, V.M. Manickavasagam and C.Elanchezhian "Evaluation of the Flexural Properties of Pineapple Reinforced Polymer Composite for Automotive and Electrical Applications", Paper ID: 54, **Proceedings of The 3rd International Conference on Advanced Materials and Engineering Materials, Singapore, December.14-15, 2013.**

31. B.Vijaya Ramnath. B, C Vinodh Krishna, S Karthik, K Saravanan, V.M. Manickavasagam and C.Elanchezhian "Experimental Investigation of Tensile Properties of Manila Fibre Reinforced Polymer Composite ", Proceedings of **Twenty-Second International Conference on Processing and Fabrication of Advanced Materials (PFAM XXII), Singapore, 18-20 December 2013.**

32. B.Vijaya Ramnath. B , K. Venkataraman , L Vinoth Selva Bruce, "Application of Analytic Network Process In Lean Production System Implementation" Thiruvalluvar College of Engineering and Technology/ ICFTME-2014

33. B.Vijaya Ramnath. B, C.Elanchezhian, S.P.Saikerthi, "Investigation And Analysis of Mechanical Properties of Boron Carbide Reinforcement On Aluminium 6061- B₄C-SiC Composite" Thiruvalluvar College of Engineering and Technology/ ICFTME-2014

34. C.Elanchezhian, **B.Vijaya Ramnath. B**, K Praveen Kumar, “ Estimation And Analysis of Physical, Mechanical, Morphological And Water Absorption Properties of Wood Flour Filled Polypropylene Composite” Thiruvalluvar College of Engineering And Technology/ ICFTME-2014

35. **B.Vijaya Ramnath. B**, C.Elanchezhian, P Krishnakumar, “Fabrication And Investigation of Mechanical Behavior of Polypropylene And Glass Fiber Based Golf Shaft” Thiruvalluvar College of Engineering and Technology/ ICFTME-2014

36. **B.Vijaya Ramnath. B** , K. Venkatraman, S.Kannappan, “ Application of Analytic Hierarchy Process In Lean Production System Implementation” Thiruvalluvar College of Engineering and Technology/ ICFTME-2014

37. **B.Vijaya Ramnath. B** , V.M.Manickavasagam, J Jenish, “ Experimental Investigation On Mechanical And Moisture Behaviour of Natural Fiber Composites” Thiruvalluvar College of Engineering and Technology/ ICFTME-2014

38. C.Elanchezhian, **B.Vijaya Ramnath. B**, N.Arun Kumar, “An Analysis To Optimize The Process Parameters of Friction Stir Welded AA7075 Aluminium Alloys” Thiruvalluvar College of Engineering and Technology/ ICFTME-2014.

39. **B.Vijaya Ramnath. B**, C.Elanchezhian, V.M.Manickavasagam,Vishal Chandrasekar, Bala Avinash, “Investigation of Influence of Resin on Mechanical Behaviour of Glass Fiber/SiC Reinforced and SiC Polymer Composites”, Proceedings of International conference on ICMPC-2014, Dept. of Mechanical Engineering, GRIET, Hyderabad. Proc. pp.XXX, 2014.

40. C.Elanchezhian,**B.Vijaya Ramnath. B**, J.Hemalatha,“Mechanical Behaviour of Glass and Carbon Fibre Reinforced Composites at Varying Strain Rates and Temperature”, Proceedings of International conference on ICMPC-2014, Dept. of Mechanical Engineering, GRIET, Hyderabad. Proc. pp.XXX, 2014.

41. **B. Vijaya Ramnath. B**, C.Elanchezhian, Vishal Chandrasekhar, A. Arun Kumar, S. Mohamed Asif, G.Riyaz Mohamed, D. Vinodh Raj ,C .Suresh Kumar,” Analysis and Optimization of Gating System for Commutator End Bracket”,Proceedings of International conference on ICMPC-2014, Dept. of Mechanical Engineering, GRIET, Hyderabad. Proc. pp.XXX, 2014.

42. K. Venkataraman, **B.Vijaya Ramnath. B** , V.Muthu Kumar , C.Elanchezhian, “Application of valve steam mapping for reduction of cycle time in a machining process”, Procedia Materials Science, Volume 6, 2014, Pages 1187-1196

43. C. Elanchezhian, N.Arun kumar and **B.Vijaya Ramnath. B** “An analysis to optimize the process parameters of friction stir welded AA7075 aluminium alloys” Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

44. C.Elanchezhian, **B.Vijaya Ramnath. B** ,Praveen Kumar.K, Saikeerthi.S.P, M.Sathish kumar, ‘Determination Of Mechanical Properties Of Notched Weft Knitted Glass Fiber In Variable Thickness Composites’, Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

45. **B. Vijaya Ramnath. B**, Rajesh S , C. Elanchezhian , V. Vignesh, V. Vijai Rahul, V.Tamilselvan , S.U. Sathya Narayanan ‘ Investigation of Mechanical behaviour of Glass fibre based SiC polymer composites’, Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

46. C. Chaithanyan, T. Panneerselvam, S. Raghuraman , **B. Vijaya Ramnath. B**, 'Investigation of Tensile behavior of Sisal and Coir Reinforced Hybrid Composites using Vinyl Ester Resin', Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

47. V.M.Manickavasagam, **B Vijaya Ramnath. B**, C Elanchezhian , J Jenish S.Jayavel V.Muthukumar, 'Investigation on impact and compression Properties of Pineapple Reinforced Polymer Composite' Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

48. **Vijaya Ramnath. B B** , Vishal Chandraseker, Pithchai Pandian S, Sundarrajan R, Santosh Shankar A, Vickneshwaran S, 'Modelling And Analysis Of Extrusion Die And Bolt Ejector Pin', Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

49. **B.Vijaya Ramnath. B** , K.Venkatraman S.Venkatram, Sohil Thomas , M.Maheshwaran , N.Dinesh, ' Powered Two-Wheeler With Integrated Safety Using Recurdyn Multi-Body Dynamics' , Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

50. **B. Vijaya Ramnath. B**, C. Parswajinan, C. Elanchezhian, S. V. Pragadeesh, P. R. Ramkishore, V. Sabarish, 'A Review on CNT Reinforced Aluminium and Magnesium Matrix Composites', Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

51. C.Elanchezhian, S.Praveen Kumar and **B.Vijaya Ramnath. B** "Estimation of Physical, Mechanical and Morphological Properties Of Wood Flour Filled Polypropylene Composite" Proceedings of International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, VELS university, Chennai. Proc. pp.XXX, 2014.

52. C.Elanchezhian, S.Praveen Kumar and **B.Vijaya Ramnath. B** "Estimation Of Physical, Mechanical and Morphological Properties Of Wood Flour Filled Polypropylene Composite" Proceedings of International conference on ICMOC-2014, Dept. of Mechanical Engineering, Noorul Islam university, Kumaracoil. Proc. pp.XXX, 2014.

53. C. Elanchezhian, N.Arun kumar and **B.Vijaya Ramnath. B** "An analysis to optimize the process parameters of friction stir welded AA7075 aluminium alloys" Proceedings of International conference on ICMOC-2014, Dept. of Mechanical Engineering, Noorul Islam university, Kumaracoil. Proc. pp.XXX, 2014.

54. Mr.K.Venkataraman, **Dr.B.Vijaya Ramnath. B** , Mr.G.Swaminathan , Mr.N.Aravind "Selection of Manufacturing Method using Artificial Neural Network" Proceedings of International conference on ICMOC-2014, Dept. of Mechanical Engineering, Noorul Islam university, Kumaracoil. Proc. pp.XXX, 2014.

55. **Vijaya Ramnath. B B** Manickavasagam V.M, Elanchezhian C, Karthik S, Vinodh Krishna C, Saravanan K "Investigation of Tensile Properties of Manila Fibre Reinforced Composite" Proceedings of International conference on ICMOC-2014, Dept. of Mechanical Engineering, Noorul Islam university, Kumaracoil. Proc. pp.XXX, 2014.

56. **Vijaya Ramnath. B B**, C. Parswajinan, C. Elanchezhian, R.Gladwin Immanuel, RM.Annamalai, S.Aravind "Investigation of tensile property of Aluminium Sic metal matrix

- composite" Proceedings of International conference on ICMOC-2014, Dept. of Mechanical Engineering, Noorul Islam university, Kumaracoil. Proc. pp.XXX, 2014.
- 57. B Vijaya Ramnath. B**, S Rajesh, C.Elanchezhian, Vishal Chandrasekhar, Bala Avinash, "Investigation on influence of resin on Tensile behaviour of glass fibre-siC Polymer Reinforced Composites" Proceedings of International conference on ICMOC-2014, Dept. of Mechanical Engineering, Noorul Islam university, Kumaracoil. Proc. pp.XXX, 2014.
- 58.** M. Jaivignesh and B.Vijaya Ramnath. B "Design and analysis of disc plough for agricultural industry", Proceedings of International conference on AFHAFBC-2014, New Delhi, 30-31 August 2014, Proc. pp.91 – 101.
- 59.** V.S. Srinivasan, S. RajendraBoopathy, **B. Vijaya Ramnath. B** , 'Investigation on Shear Behaviour of Flax-kenaf Hybrid Composite', Proceedings of International conference on GMEE 2014, Hong Kong, 21-22 September 2014,Proc. Pp11.
- 60.** V.S. Srinivasan, S. RajendraBoopathy, **B. Vijaya Ramnath. B** , 'A Review on Fabrication And Evaluation Of Tensile Properties Of Kenaf- Flax Hybrid Composite ', Proceedings of International conference on ICMSSM-2014, Paper ID: M373.
- 61. B. Vijaya Ramnath. B**, V.M. Manickavasagam, C. Elanchezhian, A. Santhosh Shankar, R. Sundarrajan, S. Vickneshwaran, S. Pithchai Pandian, 'A Review on Investigation on Flexural and Impact Properties of Abaca and Manila Hybrid Composite', Proceedings of International conference on GMEE 2014, **Hong Kong**, 21-22 September 2014,Proc. pp.9.
- 62.**V.M. Manickavasagam, **B. Vijaya Ramnath. B**, C.Elanchezhian, V. Vignesh ,V. Vijai Rahul S.U. Sathya Narayanan, V.Tamilselvan, 'A Review on Investigation on Compression and Hardness Properties of Abaca and Manila Hybrid Composite ', Proceedings of International conference on ICMSSM-2014, Paper ID: M380.
- 63. B. Vijaya Ramnath. B**, C . Parswajinan, C. Elanchezhian, S. V. Pragadeesh, C. Kavin, P. R. Ramkishore, V.Sabarish, 'A Review on Experimental Investigation on Compression and Chemical Properties of Aluminium Nano Composite', Proceedings of International conference on ICMSSM-2014, 8- Paper ID: M363.
- 64.** P.V. Krishnan, **B.Vijaya Ramnath. B**, K.Maran, R.Kesavan, 'Wastage reduction through Lean Manufacturing in head lamp casing manufacturing process', Proceedings of International conference - ICAMME 2014, Paper ID: 77.
- 65.** Siddique Ahmed Ghias **B.Vijaya Ramnath. B**, 'Investigation of Tensile Property of Aluminium SiC Metal Matrix ', Proceedings of International conference – ICAMME 2014, Paper ID 84.
- 66.** C.Elanchezhian, **B.Vijaya Ramnath. B**, R.Saisundararam, V.Ramanan, C.S.Siddarth, P.Kandeepa thondaiman, V.Maurya sundar, S.M.Mohammed sadiq , 'Investigating the weld strength of AA7075 aluminium alloy for TIG, MIG and FSW welding', Proceedings of International conference - ICAMME 2014, Paper ID: 12.
- 67.** S.Rajesh, **B.Vijaya Ramnath. B**, 'Investigation on influence of resin on Tensile behaviour of glass fibre-sic Polymer Reinforced Composites', Proceedings of International conference - ICAMME 2014, Paper ID55:
- 68.** C. Parswajinan, **B.Vijaya Ramnath. B**, M.Vetrivel, K.Loganathan, R.Sarvesh, C. Rohit Prasanna, R. N. Karthik Babu, 'Experimental Investigation of Mechanical and Chemical Properties of Aluminium reinforced with MWCNT', Proceedings of International conference -

ICAMME 2014, Paper ID: 58.

69. K.Venkataraman, B.Vijaya Ramnath. B, R.Sarvesh, C.Rohit Prasanna, 'Selection of Manufacturing Method using Artificial Neural Network', Proceedings of International conference - ICAMME 2014, Paper ID: 53.

70. Vijaya Ramnath. B B, Elanchezhian C, JayaKumar C.V , Manickavasagam U. S. Aswin, H. Eashwar, P. Kavirajan, D. Murugan, , 'Investigation of Flexural Characteristics of Flax and Abaca Hybrid Epoxy Composites', Proceedings of International conference - ICAMME 2014, Paper ID: 54.

71. Vijaya Ramnath. B B, Manickavasagam V.M, Elanchezhian C, Kavin C, Karthik Subramanian B, Rahul V , 'Investigation of Tensile Properties of Manila Fibre Reinforced Composite', Proceedings of International conference - ICAMME 2014, Paper ID: 52.

72. Manickavasagam V.M, Vijaya Ramnath. B B., Elanchezhian C., Sundarrajan R., Vickneshwaran S., Santhosh Shankar A., Kaosik R ., Santhosh Kumar K. , 'Evaluation of the double shear and hardness properties of abaca and flax reinforced polymer composite for automotive applications', Proceedings of International conference - ICAMME 2014, Paper ID: 9.

73. Manickavasagam V.M, Vijaya Ramnath. B B, Elanchezhian C, Ramakrishnan G S.Sathish, L.R. Prasanna Venkatesh, S. Pithchai Pandian, 'Investigation Of Tensile Behaviour Of Flax – Abaca Hybrid Epoxy Composite', Proceedings of International conference - ICAMME 2014, Paper ID: 8.

74. C. Parswajinan, B. Vijaya Ramnath. B, M.Vetrivel, S. Bharath, T.Ajay, R. N. Karthik Babu, "Design And Fabrication Of Impact Die For Powder Metallurgy Components", Proceedings of International Conference on Technological convergence for Information, health, food, Energy 2015 (TCIFES 2015), organized by CSIR- CLRI on May 1 & 2 2015.

75. Dr.B.Vijaya Ramnath. B, Mr.S.Rajesh, Dr.C.Elanchezhian, S. Bharath, P. Ramanarayanan Application of MCDM model for Selecting Composite Manufacturing Technique, Proceedings of International Conference on Technological convergence for Information, health, food, Energy 2015 (TCIFES 2015), organized by CSIR- CLRI on May 1 & 2 2015. (accepted)

76. B.Vijaya Ramnath. B, Elanchezhian C, Arvinth Swamy.S, S.Gowri Prasad ,R.Keshav Raj, Investigation of Mechanical Properties of Aluminium Matrix Composites under Stir Casting technique" Proceedings of International Conference on Technological convergence for Information, health, food, Energy 2015 (TCIFES 2015), organized by CSIR- CLRI on May 1 & 2 2015.

77. Rajesh.S, B.Vijaya Ramnath. B, C.Elanchezhian, Rayasam saisundararam, Siddarth.C.S, Varadarajan.S , "Multi component Drill Jig For Brake Lining Component ", Proceedings of International Conference on Technological convergence for Information, health, food, Energy 2015 (TCIFES 2015), organized by CSIR- CLRI on May 1 & 2 2015.

78. P.Venkatesan, C. Elanchezhian, B.Vijaya Ramnath. B, "Review on Joining of Dissimilar Composite Material(AA8011-Cu alloy) Using Friction Stir Welding and MIG Welding Process", Proceedings of International conference – ICFTME 2015, Organised by Thiruvalluvar Engineering college.

79. N.Aravind, B.Vijaya Ramnath. B, C.Elanchezhian, "Experimental Investigation And Machining Of Kevlar Based Polymer Composite", Proceedings of International conference – ICFTME 2015, Organised by Thiruvalluvar Engineering college.

- 80.** T. Vignesh, **B. Vijaya Ramnath. B**, C. Parswajinan, C. Elanchezhian, "A Study on Mechanical and Machining Characteristics of Fe-CNT Composite", Proceedings of International conference – ICFTME 2015, , Organised by Thiruvalluvar Engineering college.
- 81.** K.Venkataraman, **B.Vijaya Ramnath. B**, S.Sathish, "Lean Production System Implementation In A Component Manufacturing Industry"-A Case Study. . Proceedings of International conference – ICFTME 2015, Organised by Thiruvalluvar Engineering college.
- 82.** M.Chinna goundar,C. Elanchezhian, **B.Vijaya Ramnath. B**, "Review On Comparative Study Of Mechanical Properties On Abaca-Jute-Sisal-Carbon Fiber Reinforced Composites". Proceedings of International conference – ICFTME 2015, Organised by Thiruvalluvar Engineering college.
- 83.** C. Elanchezhian, **B. VijayaRamnath**, M. S. Hareeshc,, S. Krishna AdithyaRamgopale, A. S. Aashikhf, "Joining Of Aluminum And Its Alloys By Friction Welding- A Review", Proceedings of International conference – ICFTME 2015. Organised by Thiruvalluvar Engineering college.
- 84.** Mithun Muralidharan, K.N. Sripada Raghavendra, C. Elanchezhian, **B. Vijaya Ramnath. B**, "Rveiew On Uses Of Composites In Ship Building", Proceedings of International conference – ICFTME 2015, Organised by Thiruvalluvar Engineering college.
- 85.** K. Venkataraman, **B. Vijayaramnath**, V. Sudharsanan and G. Rekha, Implementation of lean agile manufacturing concepts and techniques-A case study", proceedings of international conference – ICMME 2015, organized by Department of mechanical engineering Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kancheepuram.
- 86.** K. Venkataraman, **B. Vijayaramnath**, V. Prakash, B. Tamilvasanthan and S.Sathish, "A study on adaptation of toyota productionsystem in a automotive industry" , proceedings of international conference – ICMME 2015, organized by Department of mechanical engineering Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya. Kancheepuram.
- 87.** K. Venkataraman, **B. Vijayaramnath**, A. Gopinath and T. Thamizh Selvan "Reduction of non-value added time for theproduction of locomotive coaches byimplimenting lean production system ", proceedings of international conference – ICMME 2015, organized by Department of mechanical engineering Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kancheepuram.
- 88.** C. Elanchezhian , **B. VijayaRamnath**, Saisundararam Rayasam, RamananViswanathan and Siddarth Coimbatore " Evaluation of mechanical properties of Acacia-Jute-Sisal- Glassfibre reinforced composite", proceedings of international conference – ICMME 2015, organized by Department of mechanical engineering Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kancheepuram.
- 89.** C. Parswajinan, **Dr.B.VijayaRamnath**, Dr.M.Vetrivel, P.Ramanarayanan, S. Bharath, T. Ajayand R. Raghav Chander " A Review on Composite Materials with Ferrous, CNT and Powder Metallurgy", proceedings of international conference – ICMME 2015, organized by Department of mechanical engineering Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kancheepuram.
- 90.** M.Chinna goundar,C. Elanchezhian, **B.Vijaya Ramnath. B** "Review on comparative study of mechanical properties on abaca-jute-sisal-carbon fiber reinforced composites",proceedings of national conference-NCRASEM-2015,organized by Department of mechanical engineering Tagore Engineering College , Chennai.

91. Vijaya Ramnath. B B, Elanchezhian C, Kaosik R, Santhosh Kumar K, Nellaiappan T.K, Shankar A and M.U Sughan "Evaluation Of Mechanical Properties Of Kenaf Based Hybrid Composites For Automotive Components Replacement" proceedings of international conference-ICETER-2015, organized by Department of mechanical engineering vels university, chennai.

92. Chinna Gounder C Elanchezhian, B. Vijaya Ramnath. B "Comparative Study Of Mechanical Properties On Abaca-Jute-Sisal-Carbon Fiber Reinforced Composites "Proceedings of international conference-ICETER-2015, organized by Department of mechanical engineering Vels university, Chennai.

93. K. Venkataraman, B. Vijayaramnath and A Saleem "Implementation Of Lean agile Manufacturing Concepts And Techniques-A Case Study", Proceedings of international conference-ICETER-2015, organized by Department of mechanical engineering Vels university, Chennai.

94. K. Venkataraman, B. Vijaya Ramnath. B and A Saleem "Implementation Of Lean agile Manufacturing Concepts And Techniques-A Case Study", Proceedings of international conference on TC-IFES 2015, organized by CAAS-CLRI, MAY1-2, 2015 Chennai.

95. Dr. B. Vijaya Ramnath. B, Elanchezhian C, Arvinth Swamy.S, S.Gowri Prasad, R.Keshav Raj "Investigation of Mechanical Properties of Aluminium Matrix Composites under Stir Casting technique", Proceedings of international conference on TC-IFES 2015, organized by CAAS-CLRI, MAY1-2, 2015 Chennai.

96. Dr. B. Vijaya Ramnath. B, Dr. C. Elanchezhian, Mr.S.Rajesh, S. Bharath, P. Ramanarayanan, R. Raghav Chander, T. Ajay, P. Praveen Kumar "Application of MCDM model for Selecting Composite Manufacturing Technique", Proceedings of international conference ICMER 2015 organized by ICMER, 18 – 19 August 2015, Malasiya.

97. Dr. B. Vijaya Ramnath. B., Elanchezhian. C., Manickavasagam.V.M , Arvinth Swamy.S, Gowri Prasad. S, Keshav Raj. R Dear Author, "Experimental investigation on shear and hardness of abaca based hybrid composites", Proceedings of international conference ICMER 2015 organized by ICMER, 18 – 19 August 2015, Malasiya.

98. Dr. B. Vijaya Ramnath. B, Dr.C.Elanchezhian M. Logesh, P. Ramanarayanan, Anantha Padmanabhan V.P, S. Aravind, S.Gowthaman, "Design and fabrication of motorized and manually operated land tiller machine, Proceedings of international conference IC-HFES 2015 organized by CAASMR, 01, October, 2015, India.

103. Dr. B. Vijaya Ramnath. B, Dr.C.Elanchezhian M. Logesh, P. Ramanarayanan, Anantha Padmanabhan V.P, S. Aravind, S.Gowthaman, "Investigation of flexural behaviour of abaca - neem hybrid composite , Proceedings of international conference IC-HFES 2015 organized by CAASMR, 01, October, 2015, India.

99. C.Elanchezhian* , B. Vijaya Ramnath. B, K.Rajeshkannan, M.Velmurugan, S.Karthick, N.Venkatraman, "Improving the effectiveness of hydraulic power steering system in tractor , Proceedings of international conference IC-HFES 2015 organized by CAASMR, 01, October, 2015, India.

100. Dr. B. Vijaya Ramnath. B, Dr. C. Elanchezhian, V.M. Manickavasagam, S. Bharath, T. Ajay, V. Manojkumar, D. Anand Kumar, V.Sudharsanan, "Investigation of mechanical behaviour of

abaca –neem hybrid composite , Proceedings of international conference IC-HFES 2015 organized by CAASMR, 01, October, 2015, India.

101. **Vijaya Ramnath. B. B**, Elanchezhian. C , Anish Kumar.N2, Balaji Santhosh Kumar.T , T. Thamizh Selvan, Investigation of mechanical properties of aluminium metal matrix composite (Al-Al2O3-SiC), Proceedings of international conference IC-HFES 2015 organized by CAASMR, 01, October, 2015, India.

102. **Vijaya Ramnath. B. B**, Elanchezhian. C.Ashwin Srivathsav.N , Kasi Viswanathan.P.B, Ragavendar. R, Tamilvasanthan. B. Investigation of tensile and hardness of hybrid aluminium metal matrix composite, Proceedings of international conference IC-HFES 2015 organized by CAASMR, 01, October, 2015, India.

103. **Dr.B.Vijaya Ramnath. B**, Dr. C. Elanchezhian, V.M. Manickavasagam , T. R. Srinath, B. Giridharan , B. Akash, V. Siva Prasad, V.Prakash Investigation Of Tensile Behaviour Of Abaca -Neem Hybrid Composite, Proceedings of international conference IC-HFES 2015 organized by CAASMR, 01, October, 2015, India

104. **Dr. B. Vijaya Ramnath. B**, Prof. Dr C.Elanchezhian, R.Poovarasan, S.Deshik Sandeep, D.Magesh,G.Rekha, Design and fabrication of Pot in pot refrigeration System, Proceedings of international conference IC-HFES 2015 organized by CAASMR, 01, October, 2015, India.

105. S. Rajesh, **B. Vijaya Ramnath. B**, C.Elanchezhian, V.Sudharsanan, “Investigation of flexural response of kevlar composites”, Proceedings of international conference ICMMS16,Organised by Sri Sairam Engg., College, February 24 &25, 2016.

106 . **Dr.B.Vijaya Ramnath. B**, Dr. C. Elanchezhian, V.M. Manickavasagam, S. Bharath, T. Ajay, V. Manojkumar, D. Anand Kumar, “Determination of double shear and delamination behavior of abaca –neem hybrid composite”, Proceedings of international conference ICMMS16,Organised by Sri Sairam Engg., College, February 24 &25, 2016

107 J. Jeykrishnan, **Dr. B. Vijaya Ramnath. B**, A. Jude Felix, C. Rupan Pernesh, S. Kalaiyarasan, “Parameter optimization of electro-discharge machining (edm) in aisi d2 die steel using taguchi technique”, Proceedings of international conference ICMMS16,Organised by Sri Sairam Engg., College, February 24 &25, 2016.

108. C. Parswajinan, T.Thamizhselvan, **Dr. B. VijayaRamnath**, Dr. M. Vetrivel, “Design and analysis of cylindrical die for powder metallurgy component”, Proceedings of international conference ICMMS16,Organised by Sri Sairam Engg., College, February 24 &25, 2016.

109.N.Tamiloli, J.Venkatesan, **B.Vijaya Ramnath**, “Optimization of machining parameter of aluminium alloy using taguchi based regression modeling”, Proceedings of international conference ICMMS16,Organised by Sri Sairam Engg., College, February 24 &25, 2016.

110. Venkataraman.K, **Vijaya Ramnath. B.**, Jaya Kumar.K, “Implementation of mcdm model in lean manufacturing using grey relational analysis in automotive industry”, Proceedings of international conference ICMMS16,Organised by Sri Sairam Engg., College, February 24 &25, 2016.

111. Vijaya Ramnath. B, Ashwin Srivathsav.N , D.Chandran, S.Jagadesh Kumar, M.Manikandan, “Experimental investigation of mechanical behavior of hybrid metal matrix

composite, Proceedings of international conference”, ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

112. Dr. **Vijaya Ramnath. B**, Dr.C.Elanchezhian, M. Logesh, P. Ramanarayanan, Anantha Padmanabhan V.P, S. Aravind, “Modelling and development of multi operated land tiller machine”, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

113. G.Yuvaraj, Dr. **Vijaya Ramnath. B**, K.Kaviarasan, S.Surya, “An investigation of tensile & impact properties of alkali treated and untreated epoxy-sisal reinforced composites”, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

114. **Vijaya Ramnath. B** , Arvinth Swamy.S, Gowri Prasad. S, Keshav Raj. R, Bharath Kumar N.S, Raghav Chander R, “Prediction of flexural characteristics of abaca -neem hybrid composite”, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

115. C. Parswajinan, T.Thamizh selvan, Dr. **Vijaya Ramnath. B**, Dr. M. Vetrivel, Dr. C. Elanchezhian, ‘A review on powder metallurgy, ferrous components, reinforcement of CNT’, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

116. Kaliappan, Dr. R. Kesavan, Dr. **Vijaya Ramnath. B**, “A review on natural composites”, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

117. Dr. **Vijaya Ramnath. B**, Dr. C. Elanchezhian, V.M. Manickavasagam, B.Venkadesh, B. Giridharan, B. Akash, V. Siva Prasad, “Prediction of tensile behaviour of abaca -neem hybrid composite”, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016

118. J. Jeykrishnan, Dr. **Vijaya Ramnath. B**, G. Sureshraj, M. Siva Bharath, “Effect of die-sinking electro-discharge machining parameters on surface roughness of inconel 825 alloy”, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

119. C.Elanchezhian, **Vijaya Ramnath. B**, K.Rajeshkannan, M.Velmurugan, S.Karthick, N.Venkatraman, “Improving the effectiveness of hydraulic power steering system in tractor”, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

120. Senthil Kumar R, Kesavan R, **Vijaya Ramnath. B**, “ Investigation of mechanical properties of sawdust reinforced epoxy composites”, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

121. Palani K ,Elanchezhian C, Bhaskar G.B, **Vijaya Ramnath. B**, Sai Jagadeesh J, Manoj Kumar G, ‘Optimization of friction stir weld parameters on mechanical properties of aluminium alloys using taguchi based grey analysis’, Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

122. Vijaya Ramnath. B, B.Vijay, P.Karthick, 'Design and analysis of nox emission control chamber by electrochemical process", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

123. Palani K, Elanchezhian C, Bhaskar G.B, **Vijaya Ramnath. B**, Sai Jagadeesh J, Manoj Kumar G, "Multi response optimization of process parameters on mechanical properties of friction stir welded aluminium alloys using taguchi-grey method", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

124. Krishna kumar.B, Kesavan R, **Vijaya Ramnath. B**, "A review on lean manufacturing and its implementation", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

125. Vijaya Ramnath. B, C.Elanchezhian, G.Rekha, "Implementation of concurrent design and manufacturing procedure for automotive parts-a review", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

126. Siva K, Kesavan R, **Vijaya Ramnath. B**, "Determination of mechanical behaviour of fly ash based aluminium metal matrix composites", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

127. Vijaya Ramnath. B, C.Elanchezhian, D.Keshavana, K.AshokKumara, M.Deepak, Arvind Narayan, "Prediction of compression behavior of polymer composite golf shaft", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

128.J. Jeykrishnan, Dr. **Vijaya Ramnath. B**, X. Hervin Savariraj, R. David Prakash, V. R. Dhinesh Rajan, "Investigation on tensile and impact behavior of aluminum base silicon carbide metal matrix composites", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

129. Vijaya Ramnath. B, C.Elanchezhian, Sasikkumar.V.S, Rajeshkanna.R Sabareesh .S, "Design and fabrication of pot in pot refrigeration system", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

130. Vijaya Ramnath. B, R.Ragavendar, "A review on reverse engineering of pump impeller blades", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

131. C.Elanchezhian, **Vijaya Ramnath. B**, B.Tamilvasanthan, "A review on experimental analysis of friction stir welding", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

132. Vijaya Ramnath. B, V.M.Manickavasagam, C.Elanchezhian, V.Prakash, "A review on mechanical properties of natural fibers: Abaca, Bamboo, Palmyra", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

133. B.Murali, D.Chandramohan, **Vijaya Ramnath. B**, "Crash test analysis on natural fiber composite materials for head gear", Proceedings of international conference ICMMS16, Organised by Sri Sairam Engg., College, February 24 & 25, 2016.

134. G.Yuvaraj, Dr. **Vijaya Ramnath. B**, A.Abinash, B.Srivasan, R.Vikas Nair, Investigation

Of Mechanical Behaviour Of Sisal Epoxy Hybrid Composites” Proceedings of international conference ICDAM 2016, Organised by Saveetha University- Chennai, April 7&8, 2016.

135. G.Yuvaraj, Dr. **Vijaya Ramnath. B**, G.Hemanth raagavendiran , R.Karthikraja, “Prediction Of Flexural And Water Absorption Characteristics Of Epoxy-Sisal Fibre Reinforced Hybrid Composites”, Proceedings of international conference Organised by Jeppiar Engineering college, Chennai, April 7&8, 2016.

136. Jeykrishnan Janardhanan, **Vijaya Ramnath. B** C Elanchezian, “Optimization of process parameters on EN24 tool steel using Taguchi technique in Electro Discharge Machining”, Proceedings of international conference ICONAMMA-2016.

137. J. Jeykrishnan, Dr. **Vijaya Ramnath. B**, Dr. C. Elanchezhian, S. Akilesh, “Parametric analysis on Electro-chemical machining of SKD-12 tool steel”, Proceedings of international conference ICMPC16.

138. J. Jeykrishnan, Dr. **Vijaya Ramnath. B**, Dr. C. Elanchezhian, S. Akilesh, “Optimization of process parameters in Electro-chemical machining (ECM) of D3 die steels using Taguchi technique”, Proceedings of international conference ICAAMM16.

139. **Vijaya Ramnath. B**, Jeykrishnan. J, Elanchezhian. C, Ashok Kumar, Arvind Narayan, “Investigation of flexural behaviour of polymer composite golf shaft”, Proceedings of international conference ICAAMM16.

140. Vijaya Ramnath. B, Jeykrishnan. J, Elanchezhian. C, “Investigation of Shear behaviour of polymer composite golf shaft”, Proceedings of international conference ICAAMM16.

141. Vijaya Ramnath. B, Elanchezhian. C, D.Keshavan, K.Ashok Kumar, “Prediction of tensile behavior of polymer composite golf shaft”, Proceedings of international conference ICMPC16.

142. Vijaya Ramnath. B., Elanchezhian. C, M.Deepak, Arvind Narayan,” Investigation of torsional behavior of polymer composite golf shaft, Proceedings of international conference ICMPC16.

143. B. VijayaRamnath , C.Elanchezhian , S.Rajesh , S. Jaya Prakash , B. Manoj Kumar , K. Rajeshkannan, “Design and Development of Milling Fixture for Friction Stir Welding”. Proceedings of international conference PMME-2016, Paper ID: EMT-440.

144.C.Elanchezhian, **Vijaya Ramnath. B**, G.Ramakrishnan, M.Rajendrakumar,V.Naveenkumar, M.K.Saravanakumar, “Review on mechanical properties of natural fiber composites”. Proceedings of international conference PMME-2016, Paper ID: EMT-443.

145. C.Elanchezhian, **Vijaya Ramnath. B**, K.N.SripadaRaghavendra, MithunMuralidharan, G.Rekha, “Design and Comparison of the Strength and Efficiency of Drive Shaft made of Steel and Composite Materials”. Proceedings of international conference PMME-2016, Paper ID:

EMT-386.

146 C.Elanchezhian, **Vijaya Ramnath. B**, G.Ramakrishnan, K.N.SripadaRaghavendra, MithunMuralidharan, V.Kishore, "Review on metal matrix composites for marine applications". Proceedings of international conference PMME-2016,Paper ID: EMT-384.

147. C.Parswajinan, **Vijaya Ramnath. B**, M.Vetrivel, A.Riyaz Ahmed, A.S.A.Syed Mohamed Buhari, C.Muthukumaaran, I.Anish Hilary, "Design and fabrication of Impact Die for Powder Metallurgy". Proceedings of international conference PMME-2016,Paper ID: EMT-388.

148. S. Rajesh, **Vijaya Ramnath. B**, C.Elanchezhian, M. Abhijith, R. Dinesh Riju, K. KathirKishan, "Investigation of Tensile Behavior of Kevlar Composite". Proceedings of international conference PMME-2016,Paper ID: EMT-382.

149. **Vijaya Ramnath. B**, C.Elanchezhian, E.Naveen, G.Rekha, M.Vidhyarajan, M.Manivannan, J.Dhanush, "Implementation of Concurrent Redesign & Manufacture procedure for an automotive component". Proceedings of international conference PMME-2016,Paper ID: EMT-387.

150. S. Rajesh, **Vijaya Ramnath. B**, C.Elanchezhian, AkashChowdhury, R. AshwinSathya, K.R. Deepak, "Review on Testing of Polymer Fasteners". Proceedings of international conference PMME-2016,Paper ID: EMT-441.

151. Vijaya Ramnath. B mnath, J. Jeykrishnan, G. Ramakrishnan, B. Barath, E. Ejoelavendhan, P. Arunraghav, "Sea Shells and Natural Fibres Composites: A Review". Proceedings of international conference PMME-2016, Paper ID: EMT-439.

152. C. Parswajinan, **Vijaya Ramnath. B**, M.Vetrivel,A.Ranjith, B. K. Rohit, S. Vasanth, S. Vignesh, "Determination of Mechanical Behaviour of Fe-CNT MMC". Proceedings of international conference PMME-2016,Paper ID: EMT-383.

153. Vijaya Ramnath. B, C.Elanchezhian, J. Jeykrishnan, R. Ragavendar, P.K. Rakesh, J. SujayDhamodar, A.Danasekar, "Implementation of Reverse Engineering for Crankshaft Manufacturing Industry". Proceedings of international conference PMME-2016,Paper ID: EMT-385.

154. Vijaya Ramnath. B, Elanchezhian C,S. Akilesh, R. P. Pradeep Kumar, B. Balaguru "Investigation of mechanical behaviour of aluminium- zircon sand- tungsten carbide metal matrix composites", Proceedings of international conference on 10th Asian-Australasian Conference on Composite Materials (ACCM-10) held in October, Korea.

155. Nagarajakrishnan Premanand, **Vijaya Ramnath. B**, Manickavasagam VM, Vishranth VG and Harikiran B "Review on bamboo fiber composites for industrial applications", Proceedings of international conference The Second International Conference on Emerging Trends in Engineering Research ICETER'16, pp:551

156. Siddique Ahmed Ghias, **Vijaya Ramnath. B** and Ramanan Rama, " Design and Analysis of Friction Stir Welded AA5052 and AA6061", Proceedings of international conference The

Second International Conference on Emerging Trends in Engineering Research ICETER'16, pp:581

157. Siddique Ahmed Ghias, **Vijaya Ramnath. B** and Ramanan Rama, "Design and optimization of engine valve by light weight concept", Proceedings of international conference The Second International Conference on Emerging Trends in Engineering Research ICETER'16, pp:597

158. Siddique Ahmed Ghias, **Vijaya Ramnath. B** and Ramanan Rama , Wear analysis of sintered Al-Si cp and Al-b4cp composites, Proceedings of international conference The Second International Conference on Emerging Trends in Engineering Research ICETER'16, pp:606

159. Jeykrishnan Janardhanan, **Vijaya Ramnath. B** , Sree Vignesh S, Sridharan P and Saravanan B, "Optimization of Process Parameters in Abrasive Water Jet Machining/Cutting (AWJM) of Nickel Alloy using Traditional Analysis to Minimize Kerf Taper Angle", Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

160. K.S. Suresh Kumar, Dr.C. Elanchezhian and **Dr.B. Vijaya Ramnath. B**: "Wind Effects Of An Upstream Building On A Low-Rise Building", Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

161. Siddique Ahmed Ghias, **Vijaya Ramanath.B**, Elanchezhian.C, Siddhartha Devarajan and Ramanan Nandagopan: "Wear analysis of Sintered Al-B₄ C_p Composite Material", Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

162. Sri Murugan, **Vijaya Ramnath. B.B**, Elanchezhian.C and Ramanan Nandagopan: "Analysis of Mechanical and Metallurgical Properties Of PMC Gear Material", Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

163. S.Rajesh, **B.Vijaya Ramnath. B**, C.Elanchezhian and S.Vivek : "Experimental Investigation of Tensile and Impact Behavior of Aramid-Natural Fiber Composite", Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

164. Siddique Ghias Ahmed, **B.Vijaya Ramnath. B**, C.Elanchezhian, D.Siddhartha and Ramanan Nandagopan: "Analysis of The Friction Welding Mechanism Of Low Carbon Steel – Stainless Steel And Aluminium – Copper", Proceedings of Second International Conference

on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

165. Vijaya Ramnath. B B and Alagarraja K: “Review on Sandwich Core materials and the applications of sandwich structures”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

166. M Balachandar, **B Vijaya Ramnath. B**, R Barath and R Bharath Sankar: “MECHANICAL PROPERTIES OF BOEHMERIA NIVEA REINFORCED POLYMER COMPOSITE”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

167. M Balachandar, **B Vijaya Ramnath. B**, R Barath and R Bharath Sankar: “Mechanical Characterization of Natural Fiber Polymer Composites”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

168. B Janarthanan, C Elanchezhian, Dr.G.B. Bhaskar, N Ramkumar and **B Vijaya Ramnath. B**: “Relationship between Fracture Toughness and Specimen Thickness for Quasi-isotropic Titanium/Epoxy Laminates”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

169. C Elanchezhian, **B Vijaya Ramanth**, Dr.G.B. Bhaskar and M Vivekanandhan: “An Investigation of the Mechanical Properties of Hybrid Composites in Applications of Automotive Industry”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

170. N Thinakaran, C. Elanchezhian, **B Vijaya Ramnath. B** and J Jayaprakash: “Optimization of Total Cost in Inventory Routing Problem with Homogenous type of Vehicles using Metaheuristic algorithm – A Review”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

171. B Vijaya Ramnath. B, C. Elanchezhian, V.M. Manickavasagam, R Surya Narayanan, R Sudharshan and G Pugazhendhi: “A REVIEW ON SANDWICH COMPOSITES AND THEIR ADVANCEMENTS”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

172. Balachandar Munisamy and **Vijaya Ramnath. B.B**: “Mechanical behaviour of natural

and glass fiber reinforced with polymer matrix composite”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

173. Balachandar Munisamy and **Vijaya Ramnath. B.B:** “Experimental evaluation on Mechanical Properties of Natural Fiber Polymer Composites with Human Hair”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

174. A Raja, C. Elanchezhian and **B. Vijaya Ramnath. B:** “An Integrated Approach in Selecting Best Supplier Selection Process in Supply Chain Management Using MAT LAB-A Review”, Proceedings of Second International Conference on Advanced Materials, Manufacturing and Applied Science-2017 (ICAMMAS-2017) , organized by Sri Sairam Institute of Technology, Chennai.

175. Rajesh S, **Vijaya Ramnath. B,** Elanchezhian C, Jeykrishnan J, Jayanthi Nathan S and Karthik M.R. “Optimization of Machining Parameters of Aramid Natural Hybrid Composite in Abrasive Water Jet Machining using Taguchi Method”, Proceedings of international conference ICMME 2017, Organised by SCSVMV University, April 7 & 8, 2017.

176. Vijay B and **Vijaya Ramnath. B,**” Hybrid Metal Matrix Composites and its Development- A Review”, Proceedings of international conference ICMME 2017, Organised by SCSVMV University, April 7 & 8, 2017.

177. Karthick P, **Vijaya Ramnath. B** and Vijay B’ “Review on mechanical properties of natural fibres”, Proceedings of international conference ICMME 2017, Organised by SCSVMV University, April 7 & 8, 2017.

178. Parswajinan C, **Vijaya Ramnath. B,** Vetrivel M, Syed Mohammed Buhari A. S. A., Muthukumaaran C and Riyaz Ahmed A, “Investigations of mechanical properties of Aluminium Matrix Composite reinforced with B4C and MWCNT”, Proceedings of international conference ICMME 2017, Organised by SCSVMV University, April 7 & 8, 2017.

179. C. Parswajinan, **Vijaya Ramnath. B,** Vetrivel M, N.Sai Prasath, Kuralamudhan S and S Balaji,” Mechanical investigation of Aluminum hybrid Composite Reinforced with CNT and Aluminum oxide (Al_2O_3)”, Proceedings of international conference ICMME 2017, Organised by SCSVMV University, April 7 & 8, 2017.

180. Prasannakumar B, Venkatraman K. and **Vijaya Ramnath. B,**” Application of Kanban system for implementing lean manufacturing (a case study)”, Proceedings of international conference ICMME 2017, Organised by SCSVMV University, April 7 & 8, 2017.

181. Vijaya Ramnath. B, Elanchezhian C, Naveen E, Gowtham S, Arun Kumar A, Muthuvel M.S and Akil R,” A review on aluminium metal matrix composites”, Proceedings of international conference ICMME 2017, Organised by SCSVMV University, April 7 & 8, 2017.

182. P. Subramanya Reddy, R. Kesavan, **Vijaya Ramnath. B,** J. Jeykrishnan, “Application of Fuzzy Grey Relational Analysis for Process Parameter Optimization of EDM on Aluminum Metal Matrix Composites” Proceedings of international conference ICMME 2017, Organised

by SCSVMV University, April 7 & 8, 2017.

183. **Vijaya Ramnath. B**, C.Elanchezhian, S.Swaminathan, Sharan Ramesh, S.Gowtham, "Investigations of tensile behaviour of basalt fiber composite", Proceedings of International Conference on Mechanical Materials and Renewable Energy organised by Sikkim Manipal Institute of Technology, 8-10, Dec 2017.

184. **Vijaya Ramnath. B**, C. Elanchezhian, J. Aravind, L. Sushil, A. Arun Kumar, "Studies on mechanical behaviour of basalt fiber composite", Proceedings of International Conference on Mechanical Materials and Renewable Energy organised by Sikkim Manipal Institute of Technology, 8-10, Dec 2017.

185. Shreyas P , Shriramkumar , Sruthisagar R , **Vijaya Ramnath. B** and Elanchezhian C , "Studies on Mechanical Behaviour of Aluminium-Silicon Carbide-Copper Metal Matrix Composite", International conference on mechanical, aeronautical and automotive engineering Singapore, Feb 24-26, 2018.

186. E. Naveen, **Vijaya Ramnath. B**, C.Parswajinan, R. Arvind, N.Chenbhaga Ram and R.Naveen Babu: "Investigation on Wear behaviour of CNT Reinforced Al-SiC Metal Matrix Composites- A Comparative Study on Manufacturing Methods"- Presented at 1st International Conference on Innovations in Mechanical Engineering (ICIME-2018) at Guru Nanak Institute of Technology-Hyderabad on 5th January, 2018.

187. Dr. **Vijaya Ramnath. B**, Dr. C Elanchezhian, S Abhishek Subramanian , R Rakesh, S Sharun Krishnan and A L Ashwin Ramanathan, "A review on friction stir welding of aluminium metal matrix composites (PAPER ID ICMME067) :", Proceedings of international conference ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

188. C. Parswajinan, **Vijaya Ramnath. B**, S.Abishek, B.Niharishsagar, G.Sridhar, "Hardness and impact behaviour of aluminium metal matrix composites (PAPER ID ICMME056)", Proceedings of international conference ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

189. **Vijaya Ramnath. B**, C.Elanchezhian , R.Arvind, I.Dinesh, M. Hari Prasad, " Review on natural fiber composites (PAPER ID ICMME047)", Proceedings of international conference ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

190. **Vijaya Ramnath. B**, E.Naveen, P.Nagarajakrishnan, T.Chezhian, Saleem.A, and Srivalsan.M" Mechanical and wear behavior of aluminium-zircon sand-flyash metal matrix composite (PAPER ID ICMME022)", Proceedings of international conference ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

191. **Vijaya Ramnath. B**, G.Ramakrishnan, C.Elanchezhian, V.Aravinthan, A.Vignesh, "Natural fiber composites-A review (PAPER ID ICMME048) ", Proceedings of international conference ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

192. V.M.Manickavasagam , **Vijaya Ramnath. B**, C. Vignesh, L. Vignesh, And T. Perunddevan, "Sandwich and Natural fiber composites - A review (PAPER ID ICMME050) ", Proceedings of international conference ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

193. **Vijaya Ramnath. B**, C. Elanchezhian, N. Ramanan, R. Dinesh Riju, M. VidhyaRajan, P SShreyas, S Shriramkumar , " A review on sandwich and natural fiber composites (PAPER ID ICMME051) ", Proceedings of international conference ICMME 2018, Organised by SCSVMV

University, March 8 & 9, 2018.

194. C. Parswajinan, **Vijaya Ramnath. B**, I.Anish Hilary, N.Chenbhaga Ram, A.Mayandi "Investigation of Mechanical properties of Aluminium reinforced Fly ash with CNT (PAPER ID ICMME029)", Proceedings of international conference ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

195. **Vijaya Ramnath. B**, Mr.E.Naveen, S. Abhishek Subramanian, R.Rakesh, S.Sharun Krishnan, "Study on wear and corrosion behaviour of Aluminium Hybrid MMC", Proceedings of 4TH International Conference On Materials And Manufacturing Engineering-2019, 21 & 22 MAR 2019.

196. **Vijaya Ramnath. B**, S.Rajesh, C.Elanchezhian, G.Pon Senthil Kumar, G.Pugazhendhi," Determination Of Impact And Hardness Properties Of Neem-Kenaf Fiber Reinforced Polymer Composites", Proceedings of 4TH International Conference On Materials And Manufacturing Engineering-2019, 21 & 22 MAR 2019.

197. Dr. **Vijaya Ramnath. B and** Ram Dhiwakar S, "Evaluation of Mechanical properties of Sugarcane Reinforced Hybrid Natural Fibre composites by conventional Fabrication and Finite Element Method", **The 2019 the 4th International Conference on Material Engineering and Application (4th ICMEA 2019), August 2019, Malasiya.**

198. B.Vijaya Ramnath. Ba, C.Elanchezhaina , C.Vigneshb, V.Sudharsanb, C.Selva Ganesh, "A REVIEW ON FRICTION STIR WELDING AND IT'S PROCESSES", Proceedings of ICTAMDMES 2020, St. Joseph's College of Engineering, Chennai, Tamil Nadu, 20th - 21st February 2020

199. Vijaya Ramnath. B, S.Kalyana Sundaramb, M.Vikramc, K. Nithin Krishnac," A Review on Aluminium Metal Matrix Composites", Proceedings of ICTAMDMES 2020, St. Joseph's College of Engineering, Chennai, Tamil Nadu, 20th - 21st February 2020

200. Vijaya Ramnath. B, N.Abishek, J.Melvinantony, D.Kumaran,C.Nikhil kumar," Investigations of tensile behaviour of grapheme composites", Proceedings of International Conference on Advances in Material Science & Mechanical Engineering, ICAMSME-2020 N.B.K.R. Institute of Science and Technology, Nellore, 07 - 09 Feb 2020.

201. **Vijaya Ramnath. B**, A.Manivasagam, R.Rohit, V.Sudharsan, S.Sheshathri, "Investigations of Compression and impact behaviour of hemp graphene composites", Proceedings of International Conference on Advances in Material Science & Mechanical Engineering- ICAMSME- 2020, N.B.K.R. Institute of Science and Technology, Nellore, 07 – 09, Feb 2020.

202. S.Rajesh, **Vijaya Ramnath. B**, k.Obluiei Praveen, K.M.Paveen, International Conference on "Advances in Material Science & Mechanical Engineering- ICAMSME-2020 ", held at NBKR Institute of Science and Technology during 7th to 9th Feb 2020. Nellore, 07 – 09, Feb 2020.

203. Vijaya Ramnath. B, J. Melvin Antony, G. Lokeshwaran, D. Kumaran and S Gowtham. "Investigations of flexural and hardness behaviour of graphene composites" ICMME 2020, SCSVMV Kanchipuram, Sep 7-8, 2020.

204. P Santhana srinivasan , D Kumaran , J Melvin antony , G Lokeshwaran ,B Vijaya Ramnath, R Senthil Kumar, Investigation of wear behaviour of 3wt% sic fiber metal laminate composite, 6th International Conference on Advanced Production & Industrial Engineering (ICAPIE 2021) organized by Delhi Technological University (DTU), June 18-19,2021.

	<p>205. P Santhana srinivasan , D Kumaran , J Melvin antony , G Lokeshwaran ,B Vijaya Ramnath, R Senthil Kumar , Investigation of wear behaviour of 6wt% sic fiber metal laminate composite, 6th International Conference on Advanced Production & Industrial Engineering (ICAPIE 2021) organized by Delhi Technological University (DTU), June 18-19,2021.</p> <p>206. P Santhana srinivasan , D Kumaran , J Melvin antony , G Lokeshwaran ,B Vijaya Ramnath, R Senthil Kumar, Investigation of tensile, hardness and double shear behaviour of basalt aluminium composites, International Conference on Progressive Research in Industrial & Mechanical Engineering (PRIME – 2021) 5 th - 7 th August 2021, Department of Mechanical Engineering National Institute of Technology Patna, India</p> <p>207. P Santhana srinivasan , D Kumaran , J Melvin antony , G Lokeshwaran ,B Vijaya Ramnath, R Senthil Kumar ,Investigation of flexural, inter delamination and impact behaviour of fiber metal laminate composite, International Conference on Progressive Research in Industrial & Mechanical Engineering (PRIME – 2021) 5 th - 7 th August 2021, Department of Mechanical Engineering National Institute of Technology Patna, India.</p> <p>208. B Vijaya Ramnath, D Kumaran, J Melvin antony,M. Naveen kumar, S. Naresh karthi, Investigation of tensile, yield, endurance and hardness behaviour of az-91 magnesium alloy CNTs composites, International Conference on Modern Functional Materials ICMFM 2021 to be held on 24th and 25th of June 2021. SEC, Chennai.</p>
17	<p>National Conference (s) :</p> <ol style="list-style-type: none"> Vijaya Ramnath. B. Elanchezhian.C., Gajendran.S., Kesavan.R., " Adapting Concurrent Engineering approach in Ejector pin manufacturing", Proceeding of National conference on R-TEMMP '07, Dept .of Mechanical Engineering, Sri Sairam Engineering College, Chennai, Proc. pp.139, 2007. Elanchezhian.C., Vijaya Ramnath. B. Gajendran.S.,Kesavan.R.," Implementation of TPM in Automobile Industry", Proceeding of National conference on R-TEMMP '07, Dept .of Mechanical Engineering, Sri Sairam Engineering College, Chennai, Proc. pp.157, 2007. Vijaya Ramnath. B. Elanchezhian,C. and Kesavan,R.," Design and manufacturing of Generator Engine parts using reverse engineering", Proceeding of National conference on Recent Advances in Design Engineering, Dept.of Mechanical and Manufacturing Engineering, Manipal University, Manipal, Proc. pp.469,2007. Vijaya Ramnath. B. Elanchezhian,C. and Kesavan,R. "Transformation to Lean manufacturing by an ELR belt assembly system", Proceeding of National conference on National Conference on Recent Trends in Mechanical Engineering, Department of Mechanical Engineering, Sri Jayachamarajendra College of Engineering, Mysore, Proc. pp.141,2006. Senthil Kumar.R., Vijaya Ramnath. B. Gajendran.S.,Kesavan.R." Optimization of steering system assembly through Lean Manufacturing", Proceeding of National conference on Advances in Robotics, precision Engineering & Manufacturing Techniques, AIRPAM – 2008, Dept. of Production Technology, M.I.T. Campus, Anna University, Chennai, Proc. pp.209,2008. Vijaya Ramnath. B. and Kesavan,R." Lean Manufacturing in Engine Valve Manufacturing", Proceeding of National conference on AIMMS '08, Dept of Mechanical Engineering, Sri Sairam Engineering College , Chennai, Proc. pp. 8, 2008.

7. Elanchezhian.C., **Vijaya Ramnath. B**, Kesavan.R,” Quality Improvement Through standardization Using Multi Criteria Decision Making process”, Proceeding of National conference on National Conference on A confluence of design and Manufacturing Engineers, G.K.M. College of Engineering Technology, Chennai, Proc. pp.51, 2009.
8. **Vijaya Ramnath. B**, Elanchezhian,C. and Kesavan,R.” Lean Manufacturing on Engine Assembly Conveyor Line”, Proceeding of National conference on National Conference on A confluence of design and Manufacturing Engineers, G.K.M. College of Engineering Technology, Chennai, Proc. pp.50, 2009.
9. **Vijaya Ramnath. B**, Elanchezhian,C. and Kesavan,R.” Lean manufacturing using Kanban System in Engine valve Machining”, Proceeding of National conference on National Conference on Recent Trends in Manufacturing Technology, Dept. Of Manufacturing Engineering, College of Engineering Guindy, Chennai, Proc. pp.30, 2009.
10. Suresh Kumar.K., **Vijaya Ramnath. B**, Kesavan.R.” Implementation of Lean manufacturing using Value Stream Mapping”, Proceeding of National conference on National Conference on Recent Trends in Manufacturing Technology, Dept. Of Manufacturing Engineering, College of Engineering Guindy, Chennai, Proc. pp.31, 2009.
11. Elanchezhian.C., **Vijaya Ramnath. B**, Kesavan.R.” Implementation of TPM for Improving Machinery Utilization (A case study)”, Proceeding of National conference on National Conference on Technology, Education and Management Scenario in India, NSS College of Engineering, Palakkad, Proc. pp.20,2009.
12. **Vijaya Ramnath. B**, Elanchezhian,C. and Kesavan,R.” Lean Manufacturing for cycle Time Reduction in an assembly shop”, Proceeding of National conference on National Conference on Technology, Education and Management Scenario in India, NSS College of Engineering, Palakkad, Proc. pp.24,2009.
13. Mukesh Kumar.M, **Vijaya Ramnath. B**, Gajendarn.S, and Sampath Kumar. S. “ Implementation of lean manufacturing in a Two-wheeler industry”, Proceeding of National conference on RIPE 2010, Dept. of Production Technology, M.I.T. Campus, Anna University, Chennai, Proc. pp.G33-G36, 2010.
14. Karthikeyan.K, **Vijaya Ramnath. B**, Gajendarn.S, and Sampath Kumar.S. “Inventory reduction using analytic hierarchy process in an automotive industry”, Proceeding of National conference on RIPE 2010, Dept. of Production Technology, M.I.T. Campus, Anna University, Chennai, Proc. pp.G25- G28, 2010.
15. **Dr. B. Vijaya Ramnath. B** and Dr.Elanchezhian “Implementation of SMED technique for productivity improvement of an assembly line” Proceeding of National conference on AIMMMS’12 held at Sri Sairam Engg. College, Chennai on 5.4.2012.
16. **Dr. B. Vijaya Ramnath. B**,” Implementation of MCDM model for assessing suitability of JIT manufacturing” Proceeding of National conference on AIMMMS’12 held at Sri Sairam Engg. College, Chennai on 5.4.2012.
17. **Dr. B. Vijaya Ramnath. B** and Dr.Elanchezhian,” Implementation of lean SMED concept automotive industry for reducing rework” Proceeding of National conference on AIMMMS’12 held at Sri Sairam Engg. College, Chennai on 5.4.2012.
18. **Dr. B. Vijaya Ramnath. B** and Dr.Elanchezhian “Experimental Investigation on Four Stroke Engine Using Kapok Methyl Ester” Proceeding of National conference on

AIMMMS'12 held at Sri Sairam Engg. College, Chennai on 5.4.2012.

19. **Dr. B. Vijaya Ramnath. B** "Productivity improvement through ECRS Methodology" Proceeding of National conference on NCRTME 2012 held at Vel's University, Chennai on 11.4.2012.
20. **Dr. B. Vijaya Ramnath. B** and Dr.Elanchezhian "Application of Automation in Chopping Machine" Proceeding of National conference on NCRTME 2012 held at Vel's University, Chennai on 11.4.2012.
21. **Dr. B. Vijaya Ramnath. B** and Dr.Elanchezhian "Implementing Lean Manufacturing principles to develop an optimal assembly line" Proceeding of National conference on NCRTME 2012 held at Vel's University, Chennai on 11.4.2012
22. **Dr. B. Vijaya Ramnath. B** ,G.Ramakrishnan and Dr.Elanchezhian "Applying Single Minute Exchange of Die Concept in design of Fixture" Proceeding of National conference on NCRTME 2012 held at Vel's University, Chennai on 11.4.2012.
23. **Dr. B. Vijaya Ramnath. B** "Procedure in Designing Kits for establishing Kitting Assembly Line" in NCRTME 2012 held at Vel's University, Chennai on 11.4.2012.
24. **Dr. B. Vijaya Ramnath. B** and Dr.Elanchezhian "Design and development of an Hydraulic Engine Hoist" Proceeding of National conference on NCRTME 2012 held at Vel's University, Chennai on 11.4.2012.
25. **Dr. B. Vijaya Ramnath. B** "Automation of Riveting Machine using Pneumatic Controls" Proceeding of National conference on DMTE-2012 held at SKR Engineering College, Chennai on 30.30.2012.
26. **Dr. B. Vijaya Ramnath. B** and Dr.Elanchezhian "Performance Analysis of Diesel Engine using Kapok Methyl Ester as an alternate fuel" Proceeding of National conference on NCRTME 2012 held at Vel's University, Chennai on 11.4.2012.
27. **Dr. B. Vijaya Ramnath. B** and Dr.Elanchezhian "Design and Performance Analysis of Pneumatically Controlled Automated Machine" Proceeding of National conference on NCRTME 2012 held at Vel's University, Chennai on 11.4.2012.
28. **Dr. B. Vijaya Ramnath. B**, "Performance Analysis of Cup Sand Suspension for Automobiles" Proceeding of National conference on NCRTIME'12, Saveetha University, Chennai on 22.3.2012.
29. C.Parswajinan, S.Rajesh, **B.Vijaya Ramnath. B**, C.Elanchezhian and S.Prabhu," Experimental investigation on surface characteristics of Nano Iron", Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.36, 2013
30. Laxman. M, Manickavasagam. V.M, Venkatraman. K, **Vijaya Ramnath. B.** and Elanchezhian.C," Implementation of Productivity Improvement Through SMED Methodology", Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College,Chennai. Proc. pp.31, 2013.
31. C.Bala Abinesh and **B.Vijaya Ramnath. B**," Fabrication & Analysis of Mechanical Behaviour of Polymer Composites", Proceedings of National Conference on NCAME - 2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc.

pp.29, 2013.

32. Prabhu Mani Rathinam. S,Venkataraman. K and **Vijaya Ramnath B,**” Neural Network based Concept Selection Process ”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.26, 2013.
33. E.Vetre Selvan, K.Venkataraman and **B.Vijaya Ramnath. B,**” Fuzzy Logic Based Concept Selection Process”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.24, 2013.
34. K.Venkataraman and **B.Vijaya Ramnath. B,**” Implementation of Lean Manufacturing System:Case Study”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.23, 2013.
35. S.P.Saikeerthi,Rayid Muneer,R.Vithyasagar,J.Jenish and **B.Vijaya Ramnath. B,**” Development of Pneumatic Shaper Machine for Aluminium Material”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.20, 2013.
36. P.Krishna Kumar,K.Praveen Kumar,N.Arun Kumar and **B.Vijaya Ramnath. B,**” Analysing the Strength of Unidirectional Fiber Orientations Under Transverse Static Load”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.18, 2013.
37. J.Hemalatha,Dr.C. Elanchezhian and **B.Vijaya Ramnath. B,**” Study of Glass and Carbon Fiber Reinforced Composites at Varying Strain rates”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.11, 2013.
38. S.S.Surendar, V.Pandayaraj and **B.Vijaya Ramnath. B,**” Comparison of assembled L3-L4 Intact model from Defected model of Lumbar Spine”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.09, 2013.
39. M.Sathish Kumar, Dr.C.Elanchezhian and **B.Vijaya Ramnath. B,**” Experimental Investigation of Tensile and Stiffness Behaviour of Notched Weft Knitted Glass Fiber Composite Plates with Variable Thickness”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.08, 2013.
40. K.Sampath Raj, M.Ramesh and **B.Vijaya Ramnath. B,**” Effect of Mechanical Characteristics of Sisal/Jute Fiber Uni-Directionally Reinforced with Polyester Composite”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.06, 2013.
41. D. Manoj Durai, K.Venkataraman and **B.Vijaya Ramnath. B,**” Design of Air Suspension for Automotive Passenger Vehicle”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.04, 2013.
42. Kannappan. S, Thurai Murugan, Vinoth Selva Bruce and **B.Vijaya Ramnath. B,**”Experimental Investigation on effect of Square Block in Heat Transfer Enhancement Through a Rectangular Channel”, Proceedings of National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai. Proc. pp.43,

2013.

43. Vetre Selvan .E,Venkataraman. K and **Vijaya Ramnath. B,**" Implementation of Fuzzy Logic in Concept Screening Process", Proceedings of National Conference on ETDM - 2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.66, 2013.
44. Sathish. M, Manickavasagam. V.M, and **Vijaya Ramnath B,**"Optimization of WIP using Genetic Algorithm for Process Control Application", Proceedings of National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.64, 2013.
45. Laxman. M, Manickavasagam. V.M, Venkatraman. K, Elanchezhian. C and **Vijaya Ramnath. B. "** Productivity Improvement Through ECRS Methodology", Proceedings of National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.63, 2013.
46. Hemalatha. J, Elanchezhian .C and **Vijaya Ramnath. B,**" Investigation of Glass and Carbon Fiber Reinforced Composites at Varying Strain rates", Proceedings of National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.63, 2013.
47. Gladwin Immanuel. R and **Vijaya Ramnath. B,**" Investigation of Mechanical Behaviour of Al_2O_3 -Sic Reinforced Aluminium Alloy Matrix Composites by Stir Casting Technique", Proceedings of National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.62, 2013.
48. Prabhu Mani Rathinam. S,Venkataraman. K and **Vijaya Ramnath. B. B,**" Optimizing Selection Process Using Artificial Neural Network", Proceedings of National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.62, 2013.
49. Bala Abinеш. C and **Vijaya Ramnath. B,**" Analysis of Mechanical Behaviour of Polymer Composites by Arcan Fixture", Proceedings of National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.61, 2013.
50. Manoj Durai. D,Venkataraman. K and **Vijaya Ramnath. B,**" Optimization of Single leaf Suspension for Light Commercial Vehicle", Proceedings of National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.56, 2013.
51. Surendar.S.S, Pandyaraj .V and **Vijaya Ramnath. B,**" Finite Element Model of L3-L4 Vertebra of Lumbar Spine in a Human Body",Proceedings of National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai. Proc. pp.26, 2013.
52. Hemalatha. J, Elanchezhian .C and **Vijaya Ramnath. B,**" Mechanical Behavior of Glass and Carbon Fiber Reinforced Composites at Varying Strain rates and Temperatures",Proceedings of National Conference on RAMM-2013, Dept.of Production Engineering, Velammal Engineering College, Chennai. Proc. pp .1, 2013.
53. B.Mani Rathinam,C. Mathivanan @ Gomathi ,**B. Vijaya Ramnath. B ,C. Elanchezhian,**" predicting mechanical properties of dissimilar aluminium alloy by mathematical model in friction stir welds", Proceedings of AICTE Sponsored National Conference on

NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal, Proc. pp.XXX, 2014.

54. J.Jenish, V.M.Manickavasagam, **B.Vijaya Ramnath. B,**” Evaluation Of Natural Fiber Composite Behavior For Mechanical And Moisture Test “, Proceedings of AICTE Sponsored National Conference on NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal, Proc. pp.XXX, 2014
55. **B. Vijaya Ramnath. B**, C. Elanchezhian , RM. Annamalai, S. Aravind, G. Arjun,” Flexural strength of hybrid metal matrix composite (Al-Al₂O₃-SiC) “,Proceedings of AICTE Sponsored National Conference on NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal,Proc.pp.XXX,2014
56. P.Krishnakumar,**B.Vijaya Ramanath** , C.Elanchezhian,” Fabrication and Investigation of Mechanical Performance of Polymer Based Golf Shaft”, Proceedings of AICTE Sponsored National Conference on NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal, Proc. pp.XXX, 2014.
57. K.Praveen Kumar, C. Elanchezhian, **B. Vijaya Ramnath. B,**” Estimation Of Physical, Mechanical, Morphological and Water Absorption Properties of Wood Flour Filled Polypropylene Composite”, Proceedings of AICTE Sponsored National Conference on NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal, Proc. pp.XXX, 2014.
58. N.Arun kumar ,C. Elanchezhian ,**B.Vijaya Ramnath. B,**” Investigation of Process Parameters of Friction Stir Welded AA7075 Aluminium Alloys”, Proceedings of AICTE Sponsored National Conference on NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal, Proc. pp.XXX, 2014.
59. L.Vinoth Selva Bruce, K. Venkataraman , **B.Vijaya Ramnath. B,**” Application Of Analytic Network Process In Lean Production System Justification”, Proceedings of AICTE Sponsored National Conference on NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal, Proc. pp.XXX, 2014.
60. S.P.Saikeerthi, **B.Vijaya Ramnath. B**, C.Elanchezhian,” Experimental Evaluation of The Mechanical Properties of Aluminium 6061- B₄c-Sic Composite”, Proceedings of AICTE Sponsored National Conference on NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal, Proc. pp.XXX, 2014.
61. **Vijaya Ramnath. B**, Elanchezhian .C , S.P.Saikeerthi ,”Fabrication And Characteristics of- B₄c-Sic Reinforced Aluminium Alloy(6061) Matrix Composites By Stir Casting Technique” Velammal Engineering College/ ERA-2014, Proc. pp.20, 2014.
62. C.Elanchezhian, **B.Vijaya Ramnath. B** , K. Praveen Kumar, “Estimation of Mechanical And Water Absorption Properties of Wood Flour Filled Polypropylene Composite” Velammal Engineering College/ ERA-2014, Proc. pp.19, 2014.
63. **B.Vijaya Ramnath. B**, C.Elanchezhian, P Krishnakumar, “Fabrication and Investigation of Mechanical Performance of Polypropylene and Glass Fiber Based Golf Shaft” Velammal Engineering College/ ERA-2014, Proc. pp.18, 2014.
64. **B.Vijaya Ramnath. B**, K. Venkataraman, L Vinoth Selva Bruce, “Analytic Network Process Model For The Justification of Lean Manufacturing System”Velammal

Engineering College/ ERA-2014, Proc. pp.17, 2014.

65. **B.Vijaya Ramnath. B** , V.M.Manickavasagam, J Jenish," Estimation of Mechanical And Moisture Behavior of Natural Fiber composite" Velammal Engineering College/ ERA-2014, Proc. pp.23, 2014.
66. **Vijaya Ramnath. B. B**, Elanchezhian .C , S.P.Saikeerthi, "Characterization of Hybrid Silicon Carbide And Boron Carbide Particles-Reinforced Aluminum Alloy(6061) Composites" Saveetha Engineering College/ETDTM-14,Proc. pp.19, 2014.
67. C.Elanchezhian, **B.Vijaya Ramnath. B** ,K.Praveen Kumar, "Characterization of Mechanical And Water Absorption Behaviour of Wood Plastic Composite" Saveetha Engineering College/ETDTM-14,Proc. pp.18, 2014.
68. **B.Vijaya Ramnath. B**, C.Elanchezhian, P Krishnakumar," Investigation on Mechanical Behaviour of Polypropylene And Glass Fiber Based Golf Shaft" Saveetha Engineering College/ETDTM-14,Proc. pp.17, 2014.
69. **B.Vijaya Ramnath. B**, K. Venkataraman, S.Kannappan, "Selection of Suitable Manufacturing System Using AHP Model" Saveetha Engineering College/ETDTM-14,Proc. pp.17, 2014.
70. **B.Vijaya Ramnath. B**, V.M.Manickavasagam, J Jenish, "Evaluation of Mechanical And Moisture Behaviour of Natural Fiber Composite" Saveetha Engineering College/ETDTM-14,Proc. pp.16, 2014.
71. C.Elanchezhian, **B.Vijaya Ramnath. B**, N.Arun Kumar, "Influences of Different Tool Pin Profile And Welding Speed Formation Of Fsw Process By Using AA7075 Aluminium Alloys" Saveetha Engineering College/ETDTM-14",Proc. pp.16, 2014.
72. **B.Vijaya Ramnath. B**, K. Venkataraman, L Vinoth Selva Bruce,, "Selection of Suitable Manufacturing System Using ANP Model" Saveetha Engineering College/ETDTM-14, Proc. pp.20, 2014.
73. S.Kannappan, K. Venkataraman and **B.Vijaya Ramnath. B**," Application of Analytic Hierarchy Process in Lean Production System Justification", Proceedings of AICTE Sponsored National Conference on NCETMESD-2014, Dept. of Mechanical Engineering, Rajiv Gandhi Memorial College of Engg. and Technology, Nandyal, Proc. pp.XXX, 2014.
74. Jai Vignesh.M , and **Vijaya Ramnath. B** , " Mechanical Investigation of LM 25 Aluminium Alloy-Alumina-Boron Carbide Metal Matrix Composites", Proceedings of Recent Advances in Manufacturing-2014, Dept. of Mechanical Engineering, Sardar Vallabhai National Institute of Technology, Surat, Proc. pp.126-131, 2014.
75. A.Dhanalakshmi, A.Rajendra Prasad ,B.Vijayaramnath S.Hemanth Kumar, G.Hemanth Raagavendiran, G.Saravanan , R.Vimalathithan, "Generation of Electricity from Air condition Exhaust Radiation", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.
76. S. Rajesh, B. Vijaya Ramnath. B, S.Vivek, M.Hari Prasadh, M.Kesavan, "Review On Testing Of Polymer Fasteners", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.
77. Nagaraja Krishnan P,Rohit R ,B. Vijaya Ramnath. B, C.Elanchezhian, "Prediction of compression behavior of polymer composite golf shaft", Proceedings of National

Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.

78 . T.Babu , Anil Kumar R, Arumugam G, Chandru H, Jagathala Prathapan P, "Design and Fabrication of Mobile Crane with Pallet Truck", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.

79. S. Rajesh, B. Vijaya Ramnath. B, C. Elanchezhian K. Yuvaraj, R. Samsen Daniel, V. Varun Kalyanaraman, "A Review On Kevlar Composites Using Abrasive Jet Machining", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.

80. Dhanalakshmi M, Vijaya Ramnath. B B, Saleem A, . Aravind S, Giridharan B, Ezhilseralathan L, "Design and performance analysis of a three way catalytic converter (Al-Rh-Al₁₃Fe₄ catalyst)", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.

81. Venkataraman.K, Vijaya Ramnath. B.B, Poovarasam.R, Abishek.N, Deshik Sandeep.S, "A review of implementation of Lean Production System using Multi Criteria Decision Making (MCDM) Model", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.

82 . V.M. Manickavasagam, Dr.B. Vijaya Ramnath. B, Dr.C. Elanchezhian, Kathir Kishan.K, Rohit.B.K, Vignesh.S, Dinesh Riju, "Fabrication And Evaluation Of Mechanical Properties Of Green Composites For Automotive Applications", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.

83. C. Parswajinan, Dr. B. Vijayaramnath, Dr.C. Elanchezhian, Syed Mohamed Buhari A S, Muthukumaaran C, Riyaz Ahmed A, "A review on advanced multi-optimization methods used for powder metallurgy process", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.

84. C. Parswajinan, Dr. B. Vijaya Ramnath. B, B. Balaguru, RP. Pradeep Kumar, S. Akilesh, R. Arvind Srinivas, "Design and fabrication of fixture for powder metallurgy die", Proceedings of National Conference on ETDTM'16, Dept.of Mechanical Engineering, Saveetha Engineering college, Chennai. Proc. pp., 2016.

85. S. Rajesh, B. Vijaya Ramnath. B, "Investigation on Influence of Resin on Tensile Behaviour of Glass fiber- SiC Polymer Reinforced Composites", National Conference on Recent Advancement in Mechanical Sciences", held at St. Peter's Institute of Higher Education and Research, on 22nd March 2018.

86. Obuliei Praveen.K, Paveen.K.M, S. Rajesh, B. Vijaya Ramnath. B , C. Elanchezhian Experimental investigation of Kevlar fiber for brake pad lining applications, "National Conference on Recent Development in Automobile and Mechanical Engineering (RDAME'19), March 2019, Easwari Engineering College, Chennai.

a) SCOPUS INDEXED JOURNALS

1. Senthil Kumar.R., and B.Vijaya Ramnath. " Design And Fabrication Of 3D Syskevis Metrisis", Applied Mechanics and Materials, Vol.3, No.4, pp.4744-4747,2011.

2.R.Shriram, M.Mari Ram Kumar, T.Vignesh Aadhithya and Dr.B.Vijaya Ramnath. B "Design and development of camless valve train for IC engines", International Review of Mechanical Engineering (IREME) Vol 6, No.5, pp. 1044-1049, 2012. (Impact factor: 6.46)

3.C. Elanchezhian, B. Vijaya Ramnath. B, Niranjana Raja R., S. Junaid Kokan, R. Sathya Narayanan, "Design of a Machine to determine Coefficient of Friction and Stiffness of Web Media ", International Review of Mechanical Engineering. Vol. 6 No. 7, pp. 1515-1520. (Impact factor :6.46).

4. Sriram Srinivasan, R.Sathyanarayan, L.Srivatsan and Dr.B.Vijaya Ramnath. B, "Optimization of Tool Life Using Linear Regression Analysis", International Review of Mechanical Engineering (IREME), Vol. 6, No.3, 2012. (Impact factor: 6.46).

5.B.Vijaya Ramnath. B, R. Niranjana raja, S. Junaid Kokan, R. Sathya Narayanan, S. Rajesh, and C Elanchezhian, "Properties and Performance Analysis of Woven Roving Composite Laminates for Automotive Panel Board Applications" Advanced Material Research, Vol.683, 2013, pp21-24. (Impact factor :0.158).

6. B.Vijaya Ramnath. B, R. Niranjana raja, S. Junaid Kokan, R. Sathya Narayanan, S. Rajesh, and V.M. Manickavasagam "Fabrication and testing of Abaca fibre reinforced Epoxy composites for automotive applications", Advanced Material Research, Vol.718-720,2013, pp 63-68 (Impact factor :0.158).

7.B.Vijaya Ramnath. B M. Jaivignesh, R. Harikrishnan, S. Dwarakesh, Jayanth Narahari, and Dr.C.Elanchzhian "Application of Reverse Engineering in the design of land tiller machinery", International Review of Mechanical Engineering (IREME). Vol. 6 n. 7, 2012, pp. 1379-1387

8. B.Vijaya Ramnath. B, Sriram Srinivasan, R.Sathyanarayan, L.Srivatsan, "MCDM Model for selection of optimum machining process ",Materials Science Forum Vol.773 - 774, 2301,pp.348-354.(Impact factor :0.4)

9. B.Vijaya Ramnath. B, C Vinodh Krishna, S Karthik, K Saravanan, V.M. Manickavasagam and C.Elanchezhian "Evaluation of the Flexural Properties of Pineapple Reinforced Polymer Composite for Automotive and Electrical Applications", Advanced Material Research, Vol.893-720,2014, pp 271-274 (Impact factor :0.158).

10. K.Venkataraman, B. Vijaya Ramnath. B, S.Kannappan, L.Vinoth Selva Bruce K.Vetri Velmurugan 'Comparative Analysis of AHP and ANP Model for Lean Production System Justification', International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 197-201. (Impact factor: 0.4).

11. C.Elanchezhian, B.Vijaya Ramnath. B ,Praveen Kumar.K, Saikeerthi.S.P, M.Sathish kumar, ' Determination Of Mechanical Properties Of Notched Weft Knitted Glass Fiber In Variable Thickness Composites', International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 124-127. (Impact factor: 0.4).

12. B. Vijaya Ramnath. B, Rajesh S , C. Elanchezhian , V. Vignesh, V. Vijai Rahul,

V.Tamilselvan , S.U. Sathya Narayanan ‘ Investigation of Mechanical behaviour of Glass fibre based SiC polymer composites’, International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 142-145. (Impact factor: 0.4).

13. C. Chaithanyan, T. Panneerselvam, S. Raghuraman , B. Vijaya Ramnath. B, ‘Investigation of Tensile behavior of Sisal and Coir Reinforced Hybrid Composites using Vinyl Ester Resin’, International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 146-149. (Impact factor: 0.4).

14. V.M.Manickavasagam, B Vijaya Ramnath. B, C Elanchezhian , J Jenish S.Jayavel V.Muthukumar, ‘Investigation on impact and compression Properties of Pineapple Reinforced Polymer Composite’, International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 116-119. (Impact factor: 0.4).

15. Vijaya Ramnath. B B , Vishal Chandraseker, Pithchai Pandian S, Sundarrajan R, Santosh Shankar A, Vickneshwaran S, ‘Modelling And Analysis Of Extrusion Die And Bolt Ejector Pin’, International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 137-141. (Impact factor: 0.4).

16. BV Ramnath, CS Kumar, GR Mohamed, K Venkataraman Analysis of Occupational Safety and Health of Workers by Implementing Ergonomic Based Kitting Assembly System, Procedia Engineering 97, 1788-1797

17. B.Vijaya Ramnath. B , K.Venkatraman S.Venkatram, Sohil Thomas , M.Maheshwaran , N.Dinesh, ‘ Powered Two-Wheeler With Integrated Safety Using Recurdyn Multi-Body Dynamics’ , International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 193-196. (Impact factor: 0.4).

18. B.Vijaya Ramnath. B.B, Vishal chandrasekar, C.Elanchezhian K.Venkataraman, Vinoth Selva Bruce L, ‘Value stream evaluation and simulation to improve material flow and productivity’, International Journal Applied Mechanics and Materials, Volume 612, 2014, Pages 89-95. (Impact factor: 0.4).

19. B.Vijaya Ramnath. B, C. Parswajinan, C. Elanchezhian, S. V. Pragadeesh, P. R. Ramkishore, V. Sabarish, ‘A Review on CNT Reinforced Aluminium and Magnesium Matrix Composites’, International Journal Applied Mechanics and Materials, Volume 591, June 2014, Pages 120-123. (Impact factor: 0.4).

20. C Parswajinan, B.Vijaya Ramnath. B, C Elanchezhian, SV Pragadeesh Investigation on Mechanical Properties of Nano Ferrous Composite , Procedia Engineering 97, 513-521

21. C.Elanchezhian,B.Vijaya Ramnath. B, J.Hemalatha, "Mechanical Behaviour of Glass and Carbon Fibre Reinforced Composites at Varying Strain Rates and Temperature", International Journal Procedia Material Science, Volume 6, Pages 1405-1418,2014.

22. B.Vijaya Ramnath. B, C.Elanchezhian, Vishal Chandrasekhar, A. Arun Kumar, S. Mohamed Asif, G.iyaz Mohamed, D. Vinodh Raj ,C .Suresh Kumar," Analysis and Optimization of Gating System for Commutator End Bracket", International Journal Procedia Material Science, Volume 6, Pages 1312-1328,2014.

23. K.Venkataraman, B.Vijaya Ramnath. B , V.Muthu Kumar , C.Elanchezhian, "Application of valve steam mapping for reduction of cycle time in a machining process", International Journal Procedia Material Science, Volume 6, Pages 1187-1196, 2014.

24. V.S. Srinivasan, S. RajendraBoopathy, B. Vijaya Ramnath. B , ' Fabrication And Evaluation Of Tensile Properties Of Kenaf- Flax Hybrid Composite ', International Journal Applied Mechanics and Materials, Volume 680, July 2014, Page 50-53. (Impact factor: 0.4).

25. B. Vijaya Ramnath. B, V.M. Manickavasagam, C. Elanchezhian, A. Santhosh Shankar, R. Sundarrajan, S. Vickneshwaran, S. Pithchai Pandian, ' Investigation on Flexural and Impact Properties of Abaca and Manila Hybrid Composite', International Journal Applied Mechanics and Materials, Volume 1051, July 2014, Page 102-106. (Impact factor: 0.4).

26. V.S. Srinivasan, S. RajendraBoopathy, B. Vijaya Ramnath. B , 'Investigation on Shear Behaviour of Flax-kenaf Hybrid Composite', International Journal Applied Mechanics and Materials, Volume 1051, July 2014, Page 139-142. (Impact factor: 0.4).

27. V.M. Manickavasagam, B. Vijaya Ramnath. B, C.Elanchezhian, V. Vignesh ,V. Vijai Rahul S.U. Sathya Narayanan, V.Tamilselvan, ' Investigation on Compression and Hardness Properties of Abaca and Manila Hybrid Composite ', International Journal Applied Mechanics and Materials, Volume 680, July 2014, Page 23-26. (Impact factor: 0.4)

28. B. Vijaya Ramnath. B, C . Parswajinan, C. Elanchezhian, S. V. Pragadeesh, C. Kavin,P. R. Ramkishore, V. Sabarish, 'Experimental Investigation of Compression and Chemical Properties of Aluminium Nano Composite', International Journal Applied Mechanics and Materials, Volume 680, July 2014, Page 7-10. (Impact factor: 0.4).

29. C.Elanchezhian, B.Vijaya Ramnath. B, K.Pazhanivel, A.Vedhapuri, B.Mano, A.Manojkumar, M.Stalin, V.Vishnu , 'Comparative study and analysis of friction stir welding with plasma arc welding', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 695-700. (Impact factor: 0.4).

30. P.V. Krishnan, B.Vijaya Ramnath. B, K.Maran, R.Kesavan, 'Wastage reduction through Lean Manufacturing in head lamp casing manufacturing process', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 1196-1200. (Impact factor: 0.4).

31. Siddique Ahmed Ghias B.Vijaya Ramnath. B, 'Investigation of Tensile Property of Aluminium SiC Metal Matrix ', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 252-256. (Impact factor: 0.4).

32. C.Elanchezhian, B.Vijaya Ramnath. B, R.Saisundararam, V.Ramanan, C.S.Siddarth, P.Kandeepa thondaiman, V.Maurya sundar, S.M.Mohammed sadiq , 'Investigating the weld strength of AA7075 aluminium alloy for TIG, MIG and FSW welding', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 727-732. (Impact factor: 0.4).

33. S.Rajesh, B.Vijaya Ramnath. B, 'Evaluation of tensile behaviour of GFRP/SiC polymer reinforced composites', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 70-72. (Impact factor: 0.4).

34. C. Parswajinan, B.Vijaya Ramnath. B, M.Vetrivel, K.Loganathan, R.Sarvesh, C. Rohit Prasanna, R. N. Karthik Babu, 'Experimental Investigation of Mechanical and Chemical Properties of Aluminium reinforced with MWCNT', International Journal Applied Mechanics

and Materials, Volume 766-767, 2015, Pages 287-289. (Impact factor: 0.4).

35. K.Venkataraman, B.Vijaya Ramnath. B, R.Sarvesh, C.Rohit Prasanna, 'Selection of Manufacturing Method using Artificial Neural Network', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 1201-1206. (Impact factor: 0.4).

36. Vijaya Ramnath. B B, Elanchezhian C, JayaKumar C.V , Manickavasagam U. S. Aswin, H. Eashwar, P. Kavirajan, D. Murugan, , 'Investigation of Flexural Characteristics of Flax and Abaca Hybrid Epoxy Composites', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 183-186. (Impact factor: 0.4).

37. Vijaya Ramnath. B B, Manickavasagam V.M, Elanchezhian C, Kavin C, Karthik Subramanian B, Rahul V , 'Investigation of Tensile Properties of Manila Fibre Reinforced Composite', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 96-99. (Impact factor: 0.4).

38. Manickavasagam V.M , Vijaya Ramnath. B B., Elanchezhian C., Sundarrajan R., Vickneshwaran S., Santhosh Shankar A., Kaosik R ., Santhosh Kumar K. , 'Evaluation of the double shear and hardness properties of abaca and flax reinforced polymer composite for automotive applications', International Journal Applied Mechanics and Materials, Volume 766-767, 2015, Pages 85-89. (Impact factor: 0.4).

39. Manickavasagam V.M, Vijaya Ramnath. B B, Elanchezhian C, Ramakrishnan G S.Sathish, L.R. Prasanna Venkatesh, S. Pithchai Pandian, 'Investigation Of Tensile Behaviour Of Flax – Abaca Hybrid Epoxy Composite', International Journal of Applied Mechanics and Materials, Volume 766-767, 2015, Pages 140-143. (Impact factor: 0.4).

40. R. Srimurugan, B. Vijaya Ramnath. B and N. Manoharan, "Investigation of tensile property of nylon – glass fiber polymer matrix composite", ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 13, JULY 2015, 5469-5471. (Impact factor: 0.7).

41. V. R. Raman Bharath, B. Vijaya Ramnath. B and N. Manoharan "Kenaf fibre reinforced composites: A review" ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 13, 2015,5483-5485 . (Impact factor: 0.7).

42. C. Elanchezhian, B. Vijaya Ramnath. B, M. U. Sughan, K. Suseetharan V. Varun Kumar, R. Vezhavendan and R.Kaosik "Evaluation of mechanical properties of human hair/bombyx mori silk fiber reinforced epoxy based biocomposite "ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 13, 2015,5498- 5505. (Impact factor: 0.7).

43. C. Elanchezhian, B. Vijaya Ramnath. B, Kaosik R., Nellaiappan T. K., Santhosh Kumar K., Kavirajan P. and Sughan m. u. "Evaluation of mechanical properties of kenaf based hybrid composite for automotive components replacement" ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 13, 2015, 5518- 5523. (Impact factor: 0.7).

44. P. Sathish, R. Kesavan and B. Vijaya Ramnath. B "Experimental investigation on flexural property of abaca and raffia hybrid composites" ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 13, 2015, 5534- 5536. (Impact factor: 0.7).

45. P. Sathish, R. Kesavan and B. Vijaya Ramnath. B "Experimental investigation on delamination behaviour of abaca based hybrid composites" ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 13, 2015, 5548-5550. (Impact factor: 0.7).

46. V. S. Srinivasan, S. Rajendra Boopathy and B. Vijaya Ramnath. B "investigation of flexural property of kenaf- flax hybrid composite" ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 13, 2015, 5560-5563. (Impact factor: 0.7)

47. Vijaya Ramnath. B B , Manickavasagam V. M. , Elanchezhia C. , Karthick R., Bharath U., Maruthi Kishore R. A. and Rahul R. "investigation of tensile and impact behaviour of abaca- raffia hybrid composite" ARPN Journal of Engineering and Applied Sciences, VOL. 10, NO. 13, 2015,5577-5580. (Impact factor: 0.7).
48. S. Rajesh, B. Vijaya Ramnath. B, C.Elanchezhian, V.Sudharsanan, "Investigation of flexural response of kevlar composites", Indian Journal of Science and Technology, Vol. 9,S(1), 2016 selected from ICMMS'16.
49. G.Yuvaraj, B.Vijaya Ramnath. B, A.Abinash, B.Srivasan, R.Vikas Nair," Investigation Of Mechanical Behaviour Of Sisal Epoxy Hybrid Composites", Indian Journal of Science and Technology, Volume 9, Issue 34, September 2016.
50. J. Jeykrishnan, Dr. B. Vijaya Ramnath. B, A. Jude Felix, C. Rupan Pernesh, S. Kalaiyarasan, "Parameter optimization of electro-discharge machining (edm) in aisi d2 die steel using taguchi technique", Indian Journal of Science and Technology Volume 9, Issue 43, November 2016.
51. S. Rajesh, B. VijayaRamnath, V. Sudharsanan, K. Yuvaraj, R. Samsen Daniel, "Investigation of flexural response of kevlar composites", Indian Journal of Science and Technology Volume 9, December 2016.
52. J. Jeykrishnan, Dr. B. Vijaya Ramnath. B, G. Sureshraj, M. Siva Bharath, "Effect of die-sinking electro-discharge machining parameters on surface roughness of inconel 825 alloy", Indian Journal of Science and Technology, Volume 9, Issue 41, November 2016.
53. J. Jeykrishnan, Dr. B. Vijaya Ramnath. B, X. Hervin Savariraj, R. David Prakash, V. R. Dhinesh Rajan, "Investigation on tensile and impact behavior of aluminum base silicon carbide metal matrix composites", Indian Journal of Science and Technology, Volume 9, Issue 37, October 2016.
54. Jeykrishnan Janardhanan, B. Vijaya Ramnath. B, C Elanchezian, "Optimization of process parameters on EN24 tool steel using Taguchi technique in Electro Discharge Machining", IOP Conf. Series: Materials Science and Engineering 149 (2016) 012022, PP.1 to 11.
55. B. Vijaya Ramnath. B, S Sharavanan, J Jeykrishnan , Optimization of process parameters in drilling of fibre hybrid composite using Taguchi and grey relational analysis, IOP Conference Series: Materials Science and Engineering 183 (1), 012003.
56. R.Sharavanan, B. Vijaya Ramnath. B, S. Prabhu, "A review on natural fiber hybrid composites", international journal of Mechanical and Production Engineering Research and Development", Vol. 8, Issue 3, Jun 2018, 943-948
57. B.Murali, D.Chandramohan, B.Vijaya Ramnath. B, "Crash test analysis on natural fiber composite materials for head gear", Indian Journal of Science and Technology, Volume 10, Issue 8, February 2017, Pages 1-5.
58. Sharavanana, B. Vijaya Ramnath. B, C. Elanchezhianb, S. Rajesh, "Experimental investigation of tensile and impact behaviour of hemp flax hybrid composite", International Journal of Mechanical and Production Engineering Research and Development", Vol. 8, Issue 3, Jun 2018, 549-556.
59. S.Sharavanan, B. Vijaya Ramnath. B, M.Chandrasekaran, S. Rajesh, "Experimental investigation of flexural and hardness behaviour of hemp flax hybrid composite",

International Journal of Mechanical and Production Engineering Research and Development”, Vol. 8, Issue 4, Aug 2018, 55-60.

60. A. Idayan, C. Elanchezhian, B. Vijaya Ramnath. B and J. Krishnakumar,” Effect of Deep Cryogenic Treatment on the Dimensional Stability of Aisi 440c Bearing Steel”, Indian Journal of Science and Technology, Vol 9(44), DOI: 10.17485/ijst/2016/v9i44/101987, November 2016.

61. Rajesh, S., Vijaya Ramnath. B, B., Prashanth, B., Poorna Kumar, M., “An effect of fiber orientation of tensile and compressive properties of natural hybrid composites”, International Journal of Mechanical and Production Engineering Research and Development , 2019, 9(1),IJMPERD, FEB20192, pp. 11-20.

62. Srimurugan, R., Vijaya Ramnath. B, B., Elanchezhian, C.,” An investigation on mechanical behaviour of nylon 6-polycarbonate hybrid composite”, International Journal of Mechanical and Production Engineering Research and Development 8(6),IJMPERD, DEC201856, pp. 525-532.

63. Ravi Raj, V. Vijaya ramnath, B. Naveen, E., Ramanan, N.,” Machining process parameters on green composite material”, International Journal of Innovative Technology and Exploring Engineering Volume 9, Issue 1, November 2019, Pages 3584-3587.

64. Senthil Kumar, R., Krishnaraj, S., Vijaya Ramnath. B, B., Adhitya, R.M., Anand, R.I.,” Impact and hardness characteristics of Cfrp-kenaf-abaca fiber composites”, International Journal of Recent Technology and Engineering 8(4), pp. 3530-3533, 2019.

65. Ravi Raj, V., Rangarajan, S., Vijaya Ramnath. B, B., Muruganandam, D., Jayapriya, J.,” Experimental research on roselle / glass fibre hybrid polymer composites”, International Journal of Innovative Technology and Exploring Engineering 9(1), pp. 4665-4669, 2019.

66. Venkataraman, K., Vijayaramnath, B.,” Design optimization of an automotive component in product development”, International Journal of Engineering and Advanced Technology, 9(1), pp. 6129-6135, 2019.

67. S.Rajesh, M.Kesavan, B.Vijaya Ramnath. B, C.Elanchezhian, S.Vivek, M.Hari Prasadh, “Experimental Investigation of Tensile and Impact Behavior of Aramid-Natural Fiber Composite”, Materials Today: Proceedings, Vol.16, pp 699-705, 2019.

68. Manickavasagam, V.M., Vijaya Ramnath. B, B., Elanchezhian, C.” Mechanical characteristics and wear behavior of hybrid composites with areca and neem fibers “, International Journal of Mechanical and Production Engineering Research and Development, 2020.

69. DS Ram, PN Kumar, RS Kumar, B.Vijaya Ramnath. B, “Evaluation of Mechanical Properties of Sugarcane Reinforced Hybrid Natural Fibre Composites by Conventional Fabrication and Finite Element Method”, Key Engineering Materials 841, 327-334, 2020.

b) SCOPUS INDEXED CONFERENCE PROCEEDING

1.B.Vijaya Ramnath. B , C.Elanchezhian, D.Keshavan. K. Ashok Kumar, “Prediction of tensile behavior of polymer composite golf shaft”, Volume 4, Issue 2, Part A, 2017, Pages 3356–3360, Elsevier – Materials Today selected from ICMP16.

2. B.Vijaya Ramnath. B , C. Elanchezhian, M. Deepak, Arvind Narayan," Investigation of torsional behavior of polymer composite golf shaft", Volume 4, Issue 2, Part A, 2017, Pages 3342–3345, Elsevier – Materials Today selected from ICMPC16.
3. J. Jeykrishnan, Dr. B. Vijaya Ramnath. B, Dr. C. Elanchezhian, S. Akilesh, "Parametric analysis on Electro-chemical machining of SKD-12 tool steel", Volume 4, Issue 2, Part A, 2017, Pages 3760–3766, Elsevier – Materials Today selected from ICMPC16.
- 4.J. Jeykrishnan, Dr. B. Vijaya Ramnath. B, Dr. C. Elanchezhian, S. Akilesh, "Optimization of process parameters in Electro-chemical machining (ECM) of D3 die steels using Taguchi technique", Materials Today: Proceedings 4 (8), 7884 – 7891, 2017 – Materials Today Proceedings selected from ICAAMM16 organised by MLR, Hydrabad.
- 5.B. Vijaya Ramnath. B, Jeykrishnan. J, Elanchezhian. C, Ashok Kumar, Arvind Narayan, "Investigation of flexural behaviour of polymer composite golf shaft", Materials Today: Proceedings 4 (8), 9341-9345, 2017 – Materials Today Proceedings selected from ICAAMM16 organised by MLR, Hydrabad.
- 6.Vijaya Ramnath. B. B, Jeykrishnan. J, Elanchezhian. C, "Investigation of Shear behaviour of polymer composite golf shaft", Materials Today: Proceedings 4 (8), 9218-9223– Materials Today Proceedings selected from ICAAMM16 organised by MLR, Hydrabad.
8. B. Vijaya Ramnath. B , C. Elanchezhian , S. Rajesh , S. Jaya Prakash , B. Manoj Kumaar , K. Rajeshkannan, "Design and Development of Milling Fixture for Friction Stir Welding". Materials Today Proceedings, 5(1),PP.1832-1838, selected from PMME-2016, Paper ID: EMT-440.
- 9.C. Elanchezhian, B. Vijaya Ramnath. B, G. Ramakrishnan, M. Rajendrakumar, V.Naveenkumar, M. K. Saravanakumar, "Review on mechanical properties of natural fiber composites", Materials Today Proceedings, Volume 5, Issue 1, Part 1, 2018, Pages 1785-1790 selected from PMME-2016, Paper ID: EMT-443.
- 10.C.Elanchezhian, B.Vijaya Ramnath. B, K.N.SripadaRaghavendra, MithunMuralidharan, G.Rekha, "Design and Comparison of the Strength and Efficiency of Drive Shaft made of Steel and Composite Materials", Materials Today Proceedings, 5(1),PP.1000-1007, selected from PMME-2016, Paper ID: EMT-386.
- 11.C.Elanchezhian, B.Vijaya Ramnath. B, G.Ramakrishnan, K.N.SripadaRaghavendra, MithunMuralidharan, V.Kishore, "Review on metal matrix composites for marine applications", Materials Today Proceedings, 5(1),PP.1211-1218, selected from PMME-2016, Paper ID: EMT-384.
12. C.Parswajinan, B.Vijaya Ramnath. B, M.Vetrivel, A.Riyaz Ahmed, A.S.A.Syed Mohamed Buhari, C.Muthukumaaran, I.Anish Hilary, "Design and fabrication of Impact Die for Powder Metallurgy", Materials Today Proceedings, 5(1),PP.329-334, selected from PMME-2016,Paper ID: EMT-388.
13. S. Rajesh, B. Vijaya Ramnath. B, C.Elanchezhian, M. Abhijith, R. Dinesh Riju, K. KathirKishan, "Investigation of Tensile Behavior of Kevlar Composite", Materials Today Proceedings, 5(1),PP.1156-1161, selected from PMME-2016,Paper ID: EMT-382.
14. B.Vijaya Ramnath. B, C.Elanchezhian, E.Naveen, G.Rekha, M.Vidhyarajan, M.Manivannan, J.Dhanush, "Implementation of Concurrent Redesign & Manufacture procedure for an automotive component", Materials Today Proceedings selected from PMME-2016,Paper ID:

EMT-387.

15. S. Rajesh, B. Vijaya Ramnath. B, C.Elanchezhian, AkashChowdhury, R. AshwinSathya, K.R. Deepak, "Review on Testing of Polymer Fasteners", Materials Today Proceedings, 5(1),PP.1817-1823, selected from PMME-2016,Paper ID: EMT-441.

16. B. Vijaya Ramnath. B, J. Jeykrishnan, G. Ramakrishnan, B. Barath, E. Ejoelavendhan, P. Arunraghav, "Sea Shells and Natural Fibres Composites: A Review", Materials Today Proceedings, 5(1).PP.1846-1851, selected from PMME-2016, Paper ID: EMT-439.

17. C. Parswajinan, B. Vijaya Ramnath. B, M.Vetrivel,A.Ranjith, B. K. Rohit, S. Vasanth, S. Vignesh, "Determination of Mechanical Behaviour of Fe-CNT MMC",Materials Today Proceedings, 5(1),PP.1176-1185, selected from PMME-2016,Paper ID: EMT-383.

18. B. Vijaya Ramnath. B, C.Elanchezhian, J. Jeykrishnan, R. Ragavendar, P.K. Rakesh, J. SujayDhamodar, A.Danasekar, "Implementation of Reverse Engineering for Crankshaft Manufacturing Industry", Materials Today Proceedings, 5(1),PP.994-999, 2018, selected from PMME-2016,Paper ID: EMT-385.

19. Jeykrishnan Janardhanan, Vijaya Ramnath. B B, Sree Vignesh S, Sridharan P and Saravanan B, "Optimization of Process Parameters in Abrasive Water Jet Machining/Cutting (AWJM) of Nickel Alloy using Traditional Analysis to Minimize Kerf Taper Angle"- Materials Today Proceedings- 16, pp. 392-397 selected form ICAMMAS17 (Impact Factor: 0.53)

20.Siddique Ahmed Ghias, Vijaya Ramnath. B.B, Elanchezhian.C, Siddhartha Devarajan and Ramanan Nandagopan: "Wear analysis of Sintered Al-B4 Cp Composite Material"- Materials Today Proceedings- 2019, 16, pp. 766-775 selected form ICAMMAS17 (Impact Factor: 0.53)

21.Sri Murugan, Vijaya Ramnath. B.B, Elanchezhian.C and Ramanan Nandagopan: "Analysis of Mechanical and Metallurgical Properties Of PMC Gear Material" "- Materials Today Proceedings- 2019, 16, pp. 524-531 selected form ICAMMAS17 (Impact Factor: 0.53)

22.Siddique Ghias Ahmed, B.Vijaya Ramnath. B, C.Elanchezhian, D.Siddhartha and Ramanan Nandagopan: "Analysis of The Friction Welding Mechanism Of Low Carbon Steel -Stainless Steel And Aluminium - Copper" Materials Today Proceedings- 2019, 16, pp. 766-775 selected form ICAMMAS17 (Impact Factor: 0.53).

23.Vijaya Ramnath. B B and Alagarraja K: "Review on sandwich composite and their applications" - Materials Today Proceedings- 2019, 16, pp. 859-864 selected form ICAMMAS17 (Impact Factor: 0.53).

24.Murali, B., Vijaya Ramnath. B, B., Chandramohan, D.: "Mechanical properties of boehmeria nivea reinforced polymer composite" -Materials Today Proceedings- 2019, 16, pp. 883-888 selected form ICAMMAS17 (Impact Factor: 0.53)

25.M.Balachandar, B Vijaya Ramnath. B, R Barath and R Bharath Sankar: "Mechanical Characterization of Natural Fiber Polymer Composites" - Materials Today Proceedings- 2019, 16, pp. 1006-1012 selected form ICAMMAS17 (Impact Factor: 0.53)

26.B Janarthanan, C Elanchezhian, Dr.G.B. Bhaskar, N Ramkumar and B Vijaya Ramnath. B: "Relationship between Fracture Toughness and Specimen Thickness for Quasi-isotropic Titanium/Epoxy Laminates"- Materials Today Proceedings- 2019, 16, pp. 865-869 selected form ICAMMAS17 (Impact Factor: 0.53)

27.Suresh kumar, K.S, C Elanchezhian, B Vijaya Ramanth,: "Wind effects of an upstream building on a low-rise building" - Materials Today Proceedings-2019, 16, pp. 444-448 selected from ICAMMAS17 (Impact Factor: 0.53)

28.B Vijaya Ramnath. B, C. Elanchezhian, V.M. Manickavasagam, R Surya Narayanan, R Sudharshan and G Pugazhendhi: "a review on sandwich composites and their advancements" -Materials Today Proceedings-2019, 16, pp. 1146-1151selected from ICAMMAS17 (Impact Factor: 0.53)

29.Balachandar, M., Vijaya Ramnath. B, B., Jagadeeshwar, P., Yokesh, R.: "Mechanical behaviour of natural and glass fiber reinforced with polymer matrix composite" - Materials Today Proceedings- Elsevier Publications, 2019, 16, pp. 1297-1303 selected from ICAMMAS17 (Impact Factor: 0.53)

30.Balachandar, M., Vijaya Ramnath. B, B., Ashok Kumar, S., Siva Sankar, G.: "Experimental evaluation on Mechanical Properties of Natural Fiber Polymer Composites with Human Hair" - Materials Today Proceedings-2019, 16, pp. 1304-1311 selected from ICAMMAS17 (Impact Factor: 0.53)

31.A Raja, C. Elanchezhian and B. Vijaya Ramnath. B: "An Integrated Approach in Selecting Best Supplier Selection Process in Supply Chain Management Using MAT LAB-A Review" - Materials Today Proceedings- 2019, 16, pp. 1350-1356 selected from ICAMMAS17- SIT (Impact Factor: 0.53)

32.Rajesh S, Vijaya Ramnath. B B, Elanchezhian C, Jeykrishnan J, Jayanthi Nathan S and Karthik M.R. "Optimization of Machining Parameters of Aramid Natural Hybrid Composite in Abrasive Water Jet Machining using Taguchi Method", Advanced Science, Engineering and Medicine Volume 10 , 2018, Pages 1-4, selected from ICMME 2017-SCSVMV Uty.

33.Parswajinan C, Vijaya Ramnath. B B, Syed Mohammed Buhari A. S. A., Muthukumaaran C and Riyaz Ahmed A, "Investigations of mechanical properties of Aluminium Matrix Composite reinforced with B4C and MWCNT", Advanced Science, Engineering and Medicine, Vol. 10, 2018, 1–3, selected from ICMME 2017-SCSVMV Uty.

34.Shreyas P , Shriramkumar , Sruthisagar R , Vijaya Ramnath. B B and Elanchezhian C ,"Studies on Mechanical Behaviour of Aluminium-Silicon Carbide-Copper Metal Matrix Composite", MATEC Web of Conferences 166, 01001 (2018).

35.B Vijaya Ramnath. B, S Abhishek Subramanian , R Rakesh, S Sharun Krishnan and A L Ashwin Ramanathan, "A review on friction stir welding of aluminium metal matrix composites (PAPER ID ICMME067) ", IOP Conference Series: Materials Science and Engineering 390 (1), 012103, selected from ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

36.C. Parswajinan, B. Vijaya Ramnath. B, S.Abishek, B.Niharishsagar, G.Sridhar, "Hardness and impact behaviour of aluminium metal matrix composites (PAPER ID ICMME056)", IOP Conference Series: Materials Science and Engineering 390 (1), 012075, selected from ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

37.B.Vijaya Ramnath. B, C.Elanchezhian, R.Arvind, I.Dinesh, M. Hari Prasadh, "Review on natural fiber composites (PAPER ID ICMME047)", IOP Conference Series: Materials Science and Engineering 390 (1), 012065, selected from ICMME 2018, Organised by SCSVMV

University, March 8 & 9, 2018.

38.B.Vijaya Ramnath. B, E.Naveen, P.Nagarajakrishnan, T.Chezhian, Saleem.A, and Srivalsan.M " Mechanical and wear behavior of aluminium-zircon sand-flyash metal matrix composite (PAPER ID ICMME022)", IOP Conference Series: Materials Science and Engineering 390 (1), 012018, selected from ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

39.V.M.Manickavasagam, B.Vijaya Ramnath. B, C.Elanchezhian, V.Aravinthan, A.Vignesh, "Natural fiber composites-A review (PAPER ID ICMME048) ",IOP Conference Series: Materials Science and Engineering 390 (1), 012065, selected from ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

40.G Ramakrishnan , B. Vijaya Ramnath. B, C. Vignesh, L. Vignesh, And T. Perunddevan, "Sandwich and Natural fiber composites - A review (PAPER ID ICMME050) ",IOP Conference Series: Materials Science and Engineering 390 (1), 012067, selected from ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

41.B. Vijaya Ramnath. B, C. Elanchezhian, , P SShreyas, S Shriramkumar, N. Ramanan , " A review on sandwich and natural fiber composites IOP Conference Series: Materials Science and Engineering 390 (1), 012069, selected from ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018.

42.C. Parswajinan, B. Vijaya Ramnath. B, I.Anish Hilary, N.Chenbhaga Ram, A.Mayandi Investigation of Mechanical properties of Aluminium reinforced Fly ash with CNT (PAPER ID ICMME029)", IOP Conference Series: Materials Science and Engineering 390 (1), 012032, selected from ICMME 2018, Organised by SCSVMV University, March 8 & 9, 2018

43.Jeykrishnan, J., Vijaya Ramnath. B, B., Chenbaga Ram, N., Naveen Babu, R., Naveen, D., Experimental investigation on powder mixed electro-discharge machining (EDM) of D2 die steel with De-ionized water as dielectric medium, " IOP Conference Series: Materials Science and Engineering 402,2018,(1), pp. 1-7.

44. Jeykrishnan, J., Vijaya Ramnath. B, B., Chenbhaga Ram, N., Naveen Babu, R., Naveen, D., Investigation on the Influence of Performance Characteristics on Machining Inconel 625 alloy in Electro-Discharge Machining (EDM), Materials Today: Proceedings 5(9), 2018, pp. 20449-20454.

45.S Dinesh, C Elanchezhian, B.Vijaya Ramnath. B, K Sathiyarayanan, , "Experimental investigation of natural and synthetic hybrid composite for marine application", Materials Today: Proceedings 22, 322-329,2020.

46. Palani, K., C. Elanchezhian, B. Vijaya Ramnath, and R. Ramadoss. "Hybrid Fuzzy based response surface optimization of welding parameters on Vickers microhardness and impact strength of FSWed AA8011-H24 aluminium alloy joints." Materials Today: Proceedings 23 (2020): 573-582.

47. C Elanchezhian, B Vijaya Ramnath, TP Nethaji, S Purusothaman, K Singaaram and M Yogeswaran, Development of Portable Sugarcane Harvester, IOP Conf. Series: Materials Science and Engineering 954 (2020) 012030 IOP Publishing doi:10.1088/1757-899X/954/1/012030.

48. Dr. C. Parswajinan , Dr. B. Vijaya Ramnath , Aiswarya V , Aswini Subhatra M , S. Rajesh , J. Sriram, Optimization of Al-SiC-MW CNT metal composite by WEDM using Taguchi method, IOP Conf. Series: Materials Science and Engineering 954 (2020) 012033 IOP Publishing doi:10.1088/1757-899X/954/1/012033.

49. B Vijaya Ramnath, C.Elanchezhain , C Vignesh, V Sudharsan, C. Selva Ganesh, A Review On Friction Stir Welding And It's Processes, IOP Conf. Series: Materials Science and Engineering 923 (2020) 012030 IOP Publishing doi:10.1088/1757-899X/923/1/012030.

50. B. Vijaya Ramnath, S. Gowtham, J. Melvin antony , D. Kumaran , G. Lokeshwaran, Investigations of flexural and hardness behaviour of graphene composites, IOP Conf. Series: Materials Science and Engineering 954 (2020) 012004 IOP Publishing doi:10.1088/1757-899X/954/1/012004.

51. S Dinesh, C Elanchezhian, B.Vijaya Ramnath. B, K Sathiyarayanan, "Experimental investigation of banana bract fiber and palm fiber reinforced with epoxy hybrid composites", Materials Today: Proceedings 22, 335-341, 2020.

19

CHAPTER CONTRIBUTION

1. B.Vijaya Ramnath. B, S.Rajesh, C.Elanchezhiyan, G.Pon Senthil Kumar, G.Pugazhendhi, chapter titled **"Determination Of Impact and Hardness Properties Of Neem-Kenaf Fiber Reinforced Polymer Composites"**, in a book titled Advances in Materials and Manufacturing Engineering, Springer, pp 293-302, 2020.

2. Palani, K., C. Elanchezhian, B. Vijaya Ramnath, D. Charan, Ch Divya Prakash, R. Kathiravan, and O. Narendra Reddy, chapter titled **"Experimental Investigation of Welding Parameters on Microhardness and Tensile Behaviour of Similar and Dissimilar Submerged FSWed Aluminium Alloy Joints"** in a book titled Advances in Materials and Manufacturing Engineering, Springer, pp 355-363, 2020.

3. Palani, K., C. Elanchezhian, B. Vijaya Ramnath, and A. Adinarayanan, chapter titled **"Sensitivity Analysis for Welding Parameters in Dissimilar Friction Stir Welded Joints Using Response Surface Methodology."** in a book titled Advances in Materials and Manufacturing Engineering, Springer, pp 345-353, 2020.

4. B.Vijaya Ramnath. B, Mr.E.Naveen, S. Abhishek Subramanian, R.Rakesh, S.Sharun Krishnan, chapter titled **"Study on wear and corrosion behaviour of Aluminium Hybrid MMC"**, in a book titled Advances in Materials and Manufacturing Engineering, Springer, pp 303-314, 2020.

5. B.Vijaya Ramnath chapter titled **" Behavior of some natural fiber composites", in a book titled Hybrid Natural Fiber Composites (978-0-12-819900-8) Woodhead Publishing Series, Elsevier, pp 167-183, 2021. (SCOPUS)**

6. M. Rama Subramanian, S. Venkatram, Dr. B. Vijaya Ramnath, D. Kumaran , J. Melvin Antony , **Studies on Magnesium Alloy Composites for Aero Space Structural Applications**, in a book titled Advanced Composites In Aerospace Engineering Applications, Springer. **(SCOPUS)**

7. B. Vijaya Ramnath, Chakravarthi Parswajinan, and Arani Rajendra Prasad,

“Determination of Mechanical Behavior of Al – CNT”, 147-158, 2022, in a book titled Encyclopedia of Materials: Metals and Alloys published by Elsevier.

OTHER JOURNALS

1. Vijaya Ramnath. B B., Elanchezhian C. and Kesavan R., “A Group decision making AHP model for optimizing assembly system through Lean Manufacturing”, International Journal of Management Research and Technology, Vol.3, No.1, pp.239-250,2009.
2. Vijaya Ramnath. B, B., Elanchezhian, C. and Kesavan, R. “Value Stream Mapping - A Tool For Implementing Lean Manufacturing For A Engine Assembly Line”, Impact Journal of Science and Technology, Vol. 4, No. 1, pp. 1-10, 2010.
3. Vijaya Ramnath. B B. and Raman Bharath V.R., “Suitability Assessment of TPM through Fuzzy Based simulation model”, Proceedings of the International Joint Journal Conference on Engineering and Technology (IJJCET 2010),pp.258-262,2010.
4. Vijaya Ramnath. B B., Elanchezhian C. and Kesavan R., “Suitability Assessment of Lean Kitting Assembly through Fuzzy based simulation model”, International Journal of Computer Applications, Vol.4,No.1, pp.25-31,2010. (Impact factor :0.814).
5. Vijaya Ramnath. B B. and Raman Bharath V.R., “Suitability Assessment of TPM through Fuzzy Based simulation model”, International Journal of Computer Communication and Information System, Vol.2, No.1, pp.258-262, 2010.
6. Vijaya Ramnath. B B., Elanchezhian C. and Kesavan R., “Application of Kanban system for implementing Lean Manufacturing (A case study)”, Journal of Engineering Research and Studies, Vol.1,Issue 1,pp.138-151,2010.
7. Vijaya Ramnath. B B., Elanchezhian C. and Kesavan R., “Optimal Batch size model for a constrained changeover time”, International Journal of Recent Trends in Engineering and Technology, Vol.3, No.5, pp.33-36, 2010.
8. Vijaya Ramnath. B B., Kesavan R and Elanchezhian C., “Selection of optimal assembly method using Multi-Dimensions Decision Making model”, Journal of Computing, Vol.2, Issue 9, pp.68-73, 2010. (Impact factor :0.21)
9. Vijaya Ramnath. B B., Elanchezhian C. and Kesavan R., “Application of analytical hierarchy process to select Lean-Kitting assembly for an engine assembly”, AIMS International Journal of Management, Vol.4,No.2,pp.119-133,2010.
10. C Elanchezhian, BV Ramnath, R Kesavan, Vendor evaluation using multi criteria decision making , International Journal of Computer Applications 5 (9), 4-9
11. Vijaya Ramnath. B B., Elanchezhian C. and Kesavan R., “Application of Integer Programming Model for Optimization design facility using Lean Manufacturing (A case study)”, International Journal of Reliability Quality and Operations Management, Vol.1, No.1-2, pp.95-107,2010.
12. C Elanchezhian, B Vijaya Ramnath. B, R Kesavan , Vendor selection using analytical hierarchy process in supply chain management, , J Engg Res Studies 1 (1), 118-127.
13. Manjunath.S.P., Raman Bharath.V.R. and Vijaya Ramnath. B, B “Application of MCDM model for assessing suitability of JIT manufacturing system”, Journal of Computing, Vol.3,

Issue 4, pp.17-22,2011. (Impact factor :0.21),

14. Vijaya Ramnath. B B., Elanchezhian C. and Kesavan R., "A multi attribute decision making method for selection of optimal assembly line", Management Science Letters, Vol.1, pp.65-72, 2011.

15. Vijaya Ramnath. B B., Elanchezhian C. and Kesavan R., "Reverse engineering system for generator engine parts", International Journal of Collaborative Enterprise, (Inderscience publication) Vol.2, No.2/3,pp.113-128,2011.

16. PV Krishnan, Vijaya Ramnath. B B, MK Pillai , Work-in-process optimization through lean manufacturing, Int J Econ Res 2 (2), 19-25

17. Harikrishnan.R., Jaivignesh.M. And Vijaya Ramnath. B.B. "Design and Performance Analysis of Pneumatically Controlled Riveting Machine", Canadian Journal on Mechanical Sciences & Engineering Vol. 3, No.3, 2012, pp. 90-97.

18. Harikrishnan.R., Jaivignesh.M. And VijayaRamnath.B. "An Experimental Investigation of Cup Sand Suspension for Automobiles International", Journal of Research and Reviews in Applied Sciences Vol.12.No.1, 2012 pp.49-56.

19.Vaitheeswaran .S, ,Santhosh.S. and Vijaya Ramnath. B B. "A software based Resource Selection Process in Competitive Network Environment using ANOVA", International Journal of Computer Applications, Vol.41,No.12, pp.17-21,2012. (Impact factor :0.814).

20. B.Vijaya Ramnath. B, C.Vishal, Chiranjeev.P.Jain, "Optimization of Product Development time through lean manufacturing", Advanced Science Letter, Volume 19, No. 8, 2013 , pp. 2322-2325. (Impact factor :1.25).

21.N.Arun kumar C. Elanchezhian, B.Vijaya Ramnath. B, " Investigation of Process Parameters of Friction Stir Welded AA7075 Aluminium Alloys", International Journal of Engineering Research, Volume 1, 2014, Pages 148-150.

22. Vinoth Selva Bruce L., K. Venkataraman, B.Vijaya Ramnath. B , "Application of Analytic Network Process in Lean Production System Justification", International Journal of Engineering Research, Volume 1, 2014, Pages 144-147.

23. Krishnakumar.P Dr B.Vijayaramanath Dr C.Elanchezhian, "Fabrication and Investigation of Mechanical Performance of Polymer Based Golf Shaft ",International Journal of Engineering Research, Volume 1, 2014, Pages 87-91.

24. Praveen Kumar K, C. Elanchezhian, B. Vijayaramnath, "Estimation of Physical, Mechanical, Morphological and Water Absorption Properties of Wood Flour Filled Polypropylene Composite", International Journal of Engineering Research, Volume 3, 2014, Pages 82-86.

25. Saikerthi.S.P, Vijayaramnath.B, Elanchezhian.C, " Experimental Evaluation of The Mechanical Properties Of Aluminium 6061- B4c-Sic Composite", International Journal of Engineering Research, Volume 3, 2014, Pages 70-73.

26. C. Parswajinan, B.Vijaya Ramnath. B, N. Sai Prasath, S. Kuralamudhan and S. Balaji, "Mechanical investigation of Aluminum hybrid Composite Reinforced with CNT and Aluminum oxide (Al₂O₃)", Advanced Science, Engineering and Medicine, Vol. 10, 2018, 1-3, selected from ICMME 2017-SCSVMV Uty.

27. C. Parswajinan, B. Vijaya Ramnath. B, M. Vetrivel, M. Aswin, and B. Mohana Vignesh, "Mechanical Behavior of Aluminium Metal Matrix Composite", Advanced Science, Engineering and Medicine, Vol. 10, 2018, 1-3, selected from ICMME 2017-SCSVMV Uty.
28. G. Ramakrishnan , Vijaya Ramnath. B B, Naveen E, Gowtham S, Arun Kumar A, Muthuvel M.S and Akil R," A review on aluminium metal matrix composites", Advanced Science, Engineering and Medicine Volume 10, 2018, Pages 1-4, selected from ICMME 2017-SCSVM Uty.
29. Kaliappan, Dr. R. Kesavan, Dr. B. Vijaya Ramnath. B, B.Prasannakumar, V. Kartik Rao "A review on natural composites", Advanced Science, Engineering and Medicine Volume 10 , 2018, Pages 1-3, selected from ICMME 2017-SCSVM Uty.
- 30 G. Yuvaraj, Dr.B. Vijaya Ramnath. B, G. Hemanth raagavendiran, R. Karthikraja, "Investigation Of Flexural And Water Absorption Behaviour Of Epoxy Hybrid Composites", Advances in Natural and Applied Sciences. 10(7), 2016, Pages: 34-39.
31. A. Idayan, C. Elanchezhian, B.Vijaya Ramnath. B, K. Palanikumar," Role of Cryogenic Treatment on the Microstructure and Wear Resistance of AISI 440C Bearing Steel", Caribbean Journal of Science, Volume 53, ISSUE 2 (MAY - AUG), 2019 , pp. 516-533.
32. S.Dhinesh, ELANCHEZHIAN.C ,B.Vijaya ramnath ,R.Rama doss " Experimental investigation of metalmatrix composite- A review' International journal of pure Applied mathematics, ISSN;13118080, April 2019.
33. S.Dinesh, ELANCHEZHIAN.C ,B.Vijaya ramnath, H.Thirunavukarasu " Evaluation of mechanical properties of AZ31 magnesium Alloy-calcium oxide matrix composite – international journal of Applied science and computations,vol,19,ISSN; 1076-5131, April 2019.
34. S. Dinesh C. Elanchezhian B.Vijayaramnath R.Ramadass "Experimental Investigation of Composite materials For Marine Application-A Review" International Journal of Engineering ,Science And Mathematics, Vol 7, Issue 4, April 2018.ISSN:2320-0294.
35. S. Dinesh C.Elanchezhian B. Vijayaramnath "Design and Manufacturing of Fixture for Distortion Restraints of Angular Welded Joint - A Review"-International Journal of Mechatronics and Manufacturing Technology Volume 3 Issue 2-2018 1522-1637PP.
36. S.Dinesh C.Elanchezhian B.Vijayaramnath K.Sathiyarayanan "Experimental Investigation Kevlar based composite for Marine Environment- A Review" International journal of Engineering and technology innovation.Vol 9 ,No 2,ISSN:2223-5329. April 19.
37. S.Dinesh C.Elanchezhian B.Vijayramnath H.Thirunavukarasu "Evaluation Of Mechanical Properties Of AZ31 Magnesium Alloy –Calcium Oxide Matrix Composite" –International Journal of Applied Science and Computations.Vol 19,ISSN:1076-5131, April 19.
38. S.Dinesh C.Elanchezhian B.Vijaramnath R.Ramadass "Experimental Investigation of Metal Matrix Composite –A review" International Journal of Pure Applied Mathematics. ISSN:1311-8080, April 19.
39. S. Dinesh C.Elanchezhian B.Vijaya Ramnath Mohamed Suhaib "Experimental Investigation Of Areca/Jute/Glass fiber reinforced hybrid composite Plates "Journal of Applied Science. Vol 19, ISSN:1812-5662.

21	<p>40. S.Dinesh C. Elanchezhian B.Vijaya Ramnath "Evaluation of mechanical behavior for animal fiberreinforced hybrid composite for marine Application". Materials Science and Engineering, Volume 912(2020)052012.</p> <p>41. Palani, K., C. Elanchezhian, B. Vijaya Ramnath, and G. B. Bhaskar. "Modeling and Optimization of Process Parameters on Tensile Behavior of FSWed AA 5083-H321 Aluminium Alloys Using D-Optimal Design." Adv. Sci 10 (2018): 1-6.</p> <p>National Publications:</p> <p>1.Vijaya Ramnath. B, Elanchezhian, C. and Kesavan, R. "Impact of lean manufacturing on improving productivity of auto components manufacturing industry", Journal of Manufacturing Technology Today, CMTI, Vol. 8, No. 5, pp. 20-26, 2009.</p> <p>2.Vijaya Ramnath. B, Elanchezhian, C. and Kesavan, R. "Inventory Optimization using kanban system-A case Study", ICFAI Journal of Business Strategy, Vol. 6, No. 2, pp. 56-68, 2009.</p> <p>3.Vijaya Ramnath. B, Elanchezhian, C. and Kesavan, R. "Application of kanban system for implementing lean manufacturing (a case study)", Journal of Engineering Research and Studies, Vol. 1, No. 1, pp. 138-151, 2010.</p> <p>4.Vijaya Ramnath. B, Elanchezhian, C. and Kesavan, R. "Lean manufacturing for cycle time reduction in an assembly shop", Journal of Manufacturing Technology Today, CMTI, Vol. 9, No. 6, pp. 11-17, 2010.</p> <p>5. Vijaya Ramnath. B, Elanchezhian, C. and Kesavan, R. "Setup Time and Changeover Time Reduction through lean Manufacturing Concept - Single Minute Exchange Die: SMED)", Industrial Engineering Journal, Indian Institution of Industrial Engineering, India 2011.</p> <p>6. Vijaya Ramnath. B, Elanchezhian, C. and Kesavan, R. "A frame work for assessing cost effectiveness using lean and AHP – a case study", Industrial Engineering Journal, Indian Institution of Industrial Engineering, India. 2012.</p>
22	<p>Programs Organized :</p> <p>1. Organized Faculty Development Programme Sponsored by Anna University on Total Quality Management in the year 2005.</p> <p>2.Organized Staff Development Programme (SDP) sponsored by AICTE as coordinator in the year 2011 on Recent trends in manufacturing and management.</p> <p>3. Organised Symposiums: SAIMECH-07 & SAIMECH -11.</p> <p>4. Organised National conferences: AIMMS 08 & AIMMMS -12.</p> <p>5. Organized a workshop on "Youth development "programme for the rural people from various villages which made them as an Entrepreneur on 12-4-2006.</p> <p>6.Organized Faculty Development Programme (FDP) sponsored by AICTE as coordinator in the year 2013 on "Advancements in materials, manufacturing processes and management systems" between 4th November and 16th November 2013.</p>

7. Acted as **Co-Chair for AICTE sponsored International Conference** on Mechanical, Materials and Manufacturing Systems-2016 (ICMMMS-2016) on 24th & 25th February, 2016 at Sri Sairam Engineering College, Chennai-44.
8. Organised one day workshop on 11.9.2017 titled "Geometric Dimensioning and Tolerance" in association with CADD centre.
9. Organised one day workshop on 13.9.2017 titled "Product design, reverse engineering and additive manufacturing through 3D printing", in association with CADDAM Technologies, Tambaram.
10. Organised three days workshop from 15th to 17th November 2017 titled "India design week", on Fusion 360° in association with **ICT Academy**.
11. Organised three days workshop between 22 and 24 November 2017 titled "Autodesk Fusion 360°" in association with **ICT Academy**.
12. Organised three days workshop on 27th to 29th November 2017 titled "Application of fusion 360°" in association with **ICT Academy**.
13. Coordinated two days Hackathon on 12th and 13th December 2017 titled "**India design week 2017**", **Hackathon competition** in Sairam engineering college campus in association with **ICT Academy**.
14. Organised three days workshop on "Creo parametric 3D modeling software and its applications" between 13-6-2018 and 15-6-2018 in association with CADOpt Technologies, Chennai.
15. Organised three days workshop on "Fusion 360 and its applications" between 25-4-2019 and 26-4-2019 in association with ICT Academy, Chennai.
16. Organized **STTP sponsored by AICTE** as coordinator between 24-6-2019 and 29-6-2019 on "**Natural Fiber Composites – Recent Technology for Sustainability and Eco – Friendly Environment**".
17. Organized Guest Lecture on Lean and its Philosophy on 24.6.2019.
18. Organized ISHRAE Workshop on Overview of HVAC & R Industry on 26.06.2019 to 29.06.2019
19. Organized Three days Workshop on Industrial Robotics and its Applications on 05.08.2019 to 07.08.2019.
19. Organized "**SAIMECH 2K19 INDIA DESIGN CONTEST**" titled MAVIS called Mechanical Engineers Active Vision in Integrating Society" on 23.08.2019 along with Association of Mechanical Engineers.
20. Organized SAE Guest Lecture titled Terrain Management System on 12-9-2019
21. Organized in association with **ICT academy** a five days workshop on "3D Modelling with Fusion 360" from 09.09.2019 to 14.09.2019.
19. Organized "**Internship Fest 2019**" on 09.10.2019 in which around 132 students of the Department got internship.

	<p>20. organized Six days Faculty Development Training Program on "Working Culture for Professionals" on 11.11.2019 to 16.11.2019</p> <p>21. Organized value added training program on "CREO Parametric 3D modeling" during 3rd -8th February 2020 at Sri Sairam Engineering College in association with caddam technologies private limited.</p> <p>22. Organized 3 days AICTE sponsored FDP on Outcome based education under Margadarshan between 20-2-20 and 23-2-2020.</p> <p>23. Organized AICTE sponsored ATAL FDP on Operation management 31.8.2020 to 4.9.2020.</p> <p>24. Organized 5 days AICTE sponsored FDP on Accreditation Process under Margadarshan between 30-11-20 and 5-12-2020.</p> <p>25. Organized ISTE Sponsored 3 days Workshop on "Research & Development activities" VIRTUAL MODE, from 28.12.2020 and 30.12.2020.</p> <p>26. Organized ISTE Sponsored 5 days Workshop on "Welding Technology" VIRTUAL MODE, from 6.1.2021 and 11.1.2021.</p> <p>27. Organized SAE India Sponsored 5 days Faculty Development Program on Thermal Engineering I, VIRTUAL MODE, from 28.12.2021 and 04.01.2021.</p> <p>29. As a Convenor organized AICTE sponsored International Conference on Advances in Mechanical Engineering – 2021 (ICAME '21) on 27th & 28th January, 2021 at Sri Sairam Engineering College, Chennai-44.</p> <p>28. Organized SAE India Sponsored 5 days Faculty Development Program on Hydraulics and pneumatics, VIRTUAL MODE, from 1.2.2021 and 05.02.2021.</p> <p>29. Organized Online "Faculty Development Programme (FDP) on Applications of Artificial Intelligence in Digital Manufacturing", in association with NIT-Warangal from 21.02.2022 to 03.03.2022 sponsored by Ministry of Electronics & Information Technology (MeitY) Government of India.</p>
23	<p>Programs Attended:</p> <ul style="list-style-type: none"> ➤ Attended Anna University Sponsored Faculty Development Program On "computer Aided manufacturing" at MEPCO engineering college in 2003.
24	<p>Recognition & Achievements/ Resource person/ Advisory committee member/ Editor/ Reviewer/ Research supervisor</p> <p>Recognition & Achievements</p> <ol style="list-style-type: none"> 1. Adjudged as the best guide by TNSCST for the project Speed alarming system for automobiles done by my students in the year 2002. 2. Received best teacher award from Sri Sairam Engineering College since 2001 for producing 100% results in the various subjects. 3. Received best teacher award from Lion's club of Chennai in the year 2008 and 2010. 4. Acted as Expert committee member for IGNOU –SAPET inspection team. 5. Acted as University Examination external examiner and camp officer for the central

- valuation conducted by Anna University of Technology, Chennai, 2011.
6. Acted as Jury for the various technical symposium organized in Engineering Colleges in Tamil Nadu, India.
 7. Acted as Session Chair for National Conference on NCAME -2013, Dept.of Mechanical Engineering, Sri Sairam Engineering College, Chennai.
 8. Acted as Session Chair for National Conference on ETDM -2013, Dept.of Mechanical Engineering, Saveetha Engineering College, Chennai.
 9. Acted as Session Chair for International conference ICCIAMR -2013, Dept. of Mechanical Engineering, Vel's University, Chennai.
 10. **Received Best Paper award** for research paper titled "An application of supplier selection using analytical networks process and analytical hierarchy in supply chain management" published in Vol. V Issue No. 5 of Industrial Engineering Journal in May 2012. Award presented on 26th October 2013.
 11. **Received Best professor award from Education today 2013**
 12. Acted as Session Chair for National conference on ETDTM-14, Dept. of Mechanical Engineering, April 7-8, 2014, Saveetha Engineering College, Chennai.
 13. Acted as Session Chair for International conference on ICCIAMR-2014, Dept. of Mechanical Engineering, May 2-3, 2014. VELS University, Chennai.
 14. Acted as Session Chair for International conference -ICFTME-2014, Dept.of Mechanical Engineering, March 4 & 5 2014. Thiruvalluvar College of Engineering and Technology
Keynote speaker: Lean manufacturing.
 15. Acted as Session Chair for International conference - ICAMME 2014, Dept.of Mechanical Engineering, 19 & 20 December 2014, Sairam Institute of technology, Chennai.
 16. Acted as Session Chair for International conference - ICMME 2015, Dept.of Mechanical Engineering, 2 & 3 April 2015, Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Kanchipuram.
 17. Acted as Session Chair for International Conference on Emerging Trends in Engineering Research - ICETER 2015, organised by School of Engineering, on 24 & 25 Apr 2015, Vels University, Chennai.
 18. Acted as Session Chair for International Conference on Emerging Trends in Engineering Research - ICETER 2016, organised by School of Engineering, on 20th & 21st October 2016 held at Vels University, Chennai.
 19. **Received Dr.Radha Krishnan gold medal award given by Global Economic Progress & Research Association, Thiruvannamalai- Sept,5,2015**
 20. Acted as Session Chair for International Conference on Advances in Materials, Manufacturing & Applied Sciences-17 (ICAMMAS-17) on 30th & 31st March,2017 held at Sri Sairam Institute of Technology, Chennai.
 21. Acted as Session Chair for International Conference on ICSRSBEGM17, 22 & 23 September, 2017 held at Sri Sairam engineering college, Chennai.
 23. **Received Chhatra Vishwakarma Award for my project titled "HANDS FREE VEHICLE FOR DISABLED " got second prize in Mechanical Engineering branch in AICTE-ECI Chhatra Vishwakarma Awards -2017**, which was held at Delhi on 19th September 2017.
 22. Acted Session Chair for International Conference on ICAME2018-SRM Institute of Science and Technology 22-24 March.
 25. **Chief coordinator for Margdarshan scheme under AICTE,NewDelhi.**
 26. **Received Excellent Teacher ICON Award 2019, Uttar Pradesh Book of Records, Uttara Pradesh www.upbr.in.**
 27. Received **all India AICTE-CII award** for Department of Mechanical Engineering in 2020.

Resource person in FDP/WORKSHOP

1. Faculty development programme organized by Anna University-Chennai, 2010 on

- the topic "Design and development of Press Tools" at Design department, Anna University.
2. Faculty development programme organized by Dept. of production technology, MIT Campus, Anna University-Chennai-44, on June - 2013 on the topic "Jigs, Fixtures and their designs.
 3. AICTE sponsored FDP on Advancements In Materials, Manufacturing Processes And Management Systems between 4 and 16, November – 2013.
 4. AICTE sponsored FDP on processing and characterization of composites materials including natural fibre-reinforced composites between 18 and 31, March – 2015 organised by Sri Sairam Institute of Technology, Chennai.
 5. Anna University sponsored FDP on Engineering Metrology and measurement between 30 May and 5 June – 2016 at MIT campus.
 6. Guest Lecture on Strength of Materials- Theory & Applications, organized by Agni College of Technology, Chennai in August 2016.
 7. Delivered topic on "Lean kitting assembly "in AICTE ATAL FDP on 30-8-2021 in SEC Chennai.
 8. Delivered topic on " Twisted fibre composites " AICTE STTP on 19-9-2020 in SIT, Chennai.
 9. Delivered topic on "documentation process for accreditation" on Margadarshan sponsored FDP on 26-12-2020 in SASTRA University.
 - 10 . Delivered topic on " Writing Vision, Mission and articulation of Bloom's taxonomy in AICTE-ISTE sponsored induction/refresher program on "innovative teaching & OBE", organized by Dhirajlal Gandhi College of Technology, Salem.

Advisory committee member for INT. CONFERENCES IN INDIA AND ABROAD

1. 2014 BOSI EDU HANGZHOU CONFERENCE- The International Conference on Sensors and Materials Manufacturing Science, Bosi.
2. International Conference on Mechanical and Manufacturing Engineering (ICMME-2015) organized by Department of mechanical engineering Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya, Enathur, Kanchipuram, Tamil Nadu, India
3. Fourth International Conference On Contemporary Engineering And Technology 2015 – 4TH ICCET 2015 on March 15, 2015 Chennai.
4. Fourth International Conference On sensors and materials manufacturing science -2015, On January 17-18, 2015, Paris, France.
5. Recent Innovations in Production Engineering-2017 (RIPE-2017)- March 24th & 25th , 2017 held at Madras Institute of Technology, Chennai-44.
6. Technical committee member in 2nd International Conference on Mechanical, Aeronautical and Automotive Engineering, took place in Singapore, from February 24-26, 2018. ICMAA 2018.
7. Advisory member in 3rd International Conference on Materials and Manufacturing Engineering-2018, March 08, 09-2018, SCSVMV, India.
8. Advisory member in Vels Journal of Mechanical Engineering.
9. Advisory member in 3rd International Conference on Materials and Manufacturing Engineering-2018, March 08,09-2018, SCSVMV, India.
10. Advisory member in 4th International Conference on 'Ergonomic' and 2nd International Conference on 'Industrial Engineering', University of Malaya,Kuala Lumpur,Malaysia, Jalan Universiti, 50603 Kuala Lumpur, Wilayah Persekutuan Kuala Lumpur, Malaysia
11. Advisory member in 4th International Conference on Materials and Manufacturing Engineering-2019, SCSVMV, India.
12. Technical member in 5th International Conference on Materials and Manufacturing Engineering-2020, SCSVMV, India.

Editor in international / national journals:

1. International reviewer of International Journal of Engineering Research & Innovation (IJERI), California State University, Northridge, Northridge, CA 91330.

	<ol style="list-style-type: none"> 2. Editor in Chief of International Journal of mechanical and manufacturing technology (IJMMT), IR Publications Since 2013. 3. International reviewer of International Journal of Modern Engineering, California State University, Northridge, Northridge, CA 91330 4. International reviewer of The International Journal of Modern Engineering, California State University. <p>Journal reviewer:</p> <ul style="list-style-type: none"> - Journal of Materials Processing Technology -Journal of Polymer Testing. - Journal of Alloys and Compounds. -Journal of Materials Research and Technology. - Journal of Composite B. - Journal of Building Engineering. - Reviewer for the journal of Current Material Science. -Neural Computing and Applications -Mechanics of Advanced Composite Structures -Advanced Materials Letters -Journal of Materials Science <p>Research supervisor:</p> <ol style="list-style-type: none"> 1. Anna University, Chennai, 2014 2. Vels University, Chennai 2012 3. AMET University, Chennai ,2014 4. Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University, Kanchipuram. 2013 5. St.PETER'S University, Chennai 2014
--	--

25. BOOKS WRITTEN			
S.No	Name of the book	Publisher	Year
1.	Computer aided manufacturing	Eswar press, Chennai	2006
2.	Manufacturing Technology-II	Laxmi publications,Delhi	2005
3.	Project Management	Umesh Publications, Delhi	2006
4.	Industrial Economics and Principles of Management	Umesh Publications, Delhi	2006
5.	Industrial Management	Umesh Publications, Delhi	2007
6.	Industrial Engineering	Umesh Publications, Delhi	2007
7.	Fluid Machinery	Umesh Publications, Delhi	2007
8.	Machine tools	Laxmi publications,New Delhi	2009
9.	Operation Research	Umesh Publications,	2008,2011
10.	Ergonomics for manufacturing	SAPET-MBA distance education	2010
11.	Total Quality Management	SAPET-MBA distance education	2010

12.	Environmental management system	SAPET-MBA distance education	2010
13.	Engineering management	Anuradha pub, Chennai	2006
14.	Unconventional machining process	Anuradha pub, Chennai	2005
15.	Special casting process	Anuradha pub, Chennai	2006
16.	Industrial Management	Umesh Publications, Delhi	2010
17.	Productivity management and re engineering	SAPET-MBA distance education	2010
18.	Computer integrated manufacturing	Anuradha pub,Chennai-17,Tamilnadu	2006
19.	Engineering materials and metallurgy	Anuradha pub,Chennai-17	2005-06
20.	Organization Behavior	Umesh Publications Delhi	2006
21.	Basic Mechanical and Civil Engineering	Anuradha pub,Chennai-17,Tamilnadu	2007
22.	Strength of Materials	Anuradha pub,Chennai-17,Tamilnadu	2006-07
23.	Metrology and Measurements	Anuradha pub,Chennai-17,Tamilnadu	2006-07
24.	Manufacturing Technology 1	University Science Press, New Delhi	2004
25.	Total Quality Management	I.K. International Publishers, New Delhi	2006
26.	Production Technology	Eswar Press, Chennai – 17	2005
27.	Quality Management	Eswar Press Chennai – 17	2005
28.	Solid and Fluid Mechanics	Anuradha Publications, Chennai – 17	2007
29.	Design of jigs, fixtures, and press tools	Eswar Press, Chennai – 17	2003
30.	Engineering Metrology	Eswar Press, Chennai – 17	2004
31.	Power Plant Engineering	I.K. International Publishers, New Delhi	2006
32.	Principles of Management	Eswar Press, Chennai – 17.	2005
33.	Process Planning and Cost Estimation	New Age International	2004
34.	Manufacturing Strategy	Vikas Publications, Delhi	2007
35.	Design of Machine Elements	Eswar Press, Chennai – 17	2007
36.	Production Planning and Control	Anuradha Publications, Chennai – 17	2006-07
37.	Engineering Graphics	SAMS Publications	2006-08 Revised 2018

38.	Engineering Economics and Cost Analysis	Anuradha Publications, Chennai – 17	2007-08, revised 2012
39.	Engineering Metrology and Measurements	Anuradha Publications, Chennai – 17	

The following are the referred text books in the various universities in India:

- * Basic Civil and Mechanical Engineering - Anna University- Chennai.
- * Process planning and cost estimation - MIT campus, Anna University.
- * Manufacturing Technology - I - PSG College of Technology
- * Design of Jigs, Fixtures and Press tools - NIIT Kerala, Dr.MGR University
- * Engineering Metrology - PSG College of Technology
- * Principles of Management -MIT campus, Anna University
- * Power plant Engineering - JNTU ,Andhar Pradesh, Biju Patnaik University, Orissa
- * Total Quality Management -Viswesvaraya Technical University, Bangalore
- * Manufacturing Strategy -Maharastra Schowhan University, Mumbai